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CHRONOLOGICAL LIST OF PATENTS DESTROYED IN THE FIRE OF 1835, AND NOT RESTORED.

Spooner, E.	June 25, 1799
Smith, R.	May 19, 1800
Deaver, John.	July 12, 1804
Peacock, D.	April 1, 1807
Vinton, S.	Nov. 18, 1807
Harris, H.	Feb. 24, 1808
Woodward, F.	July 18, 1809
Hall, S.	July 13, 1810
Sanford, J.	Aug. 20, 1811
Turnbull, N.	Sept. 7, 1811
Klay, J.	Jan. 11, 1812
Tousley, R.	Jan. 11, 1812
Patrick, M.	Jan. 2, 1813
Seitz, J.	Feb. 8, 1813
Tousley, S.	May 28, 1813
Murrey, M.	Aug. 7, 1813
Pease, H.	Aug. 28, 1813
Butler, J. and J.	Mar. 1, 1814
Hill, C.	July 7, 1814
Hall, J.	Nov. 19, 1814
Wood, J.	July, 1, 1814
Swann, J.	July 5, 1814
Morgan, J. and Harris, J. B.	Oct. 11, 1814
Tousley, R. and Swann, J.	Nov. 9, 1814
Shultz, H.	Dec. 17, 1814
Bean, Elisha.	Mar. 4, 1816
Johnson, L.	Aug. 6, 1816
Cromwell, J.	Oct. 23, 1816
Peacock, D.	May 29, 1817
Richmond, Jas.	June 28, 1817
Lupton, J.	July 31, 1817
Davis, G.	May 26, 1818
Ogle, S.	June 9, 1818
Miller, P.	Oct. 26, 1818
Goodrich, L. and Adams, J.	Dec. 3, 1818
Harrison, R. N.	Dec. 19, 1818
Potts, Joseph.	Nov. 7, 1818
Tice, A. and J.	Aug. 21, 1819
Miner, F.	Aug. 21, 1819
Baltrope, John.	Sep. 20, 1819
Swartout, J.	Nov. 13, 1819
Marshall, P. and Smith, J. B.	Mar. 3, 1820
Gibbs, G.	Mar. 8, 1820
Jenkins, J. W.	July 6, 1820
Wright, J. L.	July 28, 1820
Stevens, R. L. aud E. A.	Sept. 13, 1820
Wood, C. and Brundage, G.	Nov. 9, 1820
Seaven, J. and Fay, J.	Dec. 14, 1820
Wood, J.	Feb. 1, 1821
Stevens, R. L. and E. A.	Apr. 23, 1821
Stevens, R. L. and E. A.	Apr. 23, 1821
King, G. J.	June 20, 1821
Seeley, O.	Aug. 27, 1821
Falconer, Wm.	Sept. 13, 1821
Phelps, O. and Moorehouse, G.	Nov. 17, 1821
Hitchcock, D.	Dec. 29, 1821
Peacock, D.	Jan. 21, 1822
Stuart, W. G.	Feb. 5, 1822
Dutcher, J.	Feb. 12, 1822
Hawkins, G. M. and Emery, H.	Feb. 16, 1822
Gill, C. A. and Jas.	Mar. 25, 1822
Gibson, J.	May 2, 1822
Willis, Wm.	May 7, 1822
Carpenter, B.	July 1, 1822
Lee, A.	July 22, 1822
Wooley, J.	Sept. 14, 1822
Clute, P. J.	Nov. 16. 1822
Schoonmaker, J. J. and Dolson, J.	Dec. 7, 1822
Williams, Thos.	Dec 19, 1822
Rhodes, R.	Feb. 25, 1823
Weaver, J.	May 8, 1823
Nixon, Geo.	June, 3, 1823
Hubbar, S. and Graves, J.	June 21, 1823.
Hitchcock, D.	July 16, 1823
Jones, D. H. and Richardson, W. F.	July 29, 1823
Beach, W.	Aug. 26, 1823
Hackney, O.	Aug, 29, 1823
Pancoast, W. C.	Jan. 29, 1824
Stark, H.	Feb. 3, 1824
Austin, S.	Feb. 27, 1824
Beach, W.	Apr. 9, 1824
Altason, T.	Apr. 16, 1824
Swann, J.	Apr. 24, 1824
Chase, D., Gregg, A. and J.	Aug. 4, 1824
Gillet, N. Jr.	Sept. 24, 1824
Spicer, A. Jr. and Tover, J.	Sept. 25, 1824
Hunt, J. Y.	Dec. 24, 1824
Ellington, G.	Dec. 25, 1824
Taylor, A.	Dec. 26, 1824
Avery, G. D.	Feb. 15, 1825
Rich John Jr.,	Feb. 10, 1825
Pettis, P.	Feb. 15, 1825
Whitman, S. W.	May 7, 1825
Avery, G. D.	May 25, 1825
Richardson, W. F.	June 27, 1825
Shephard, J.	Apr. 12, 1826
Beach, W.	Apr. 13, 1826
Fairbanks, T.	Apr. 19, 1826
Cocke, W.	Apr. 28, 1826
Holdridge, Z. S. and Lawson, H. S.	Aug. 9, 1826
Rhodes, R.	Feb. 20, 1827
Collins, S.	Feb. 22, 1827
Austin, S.	Feb. 27, 1827
Cryer, N. G.	May 24, 1827
Carmichael, W.	July 28, 1827
Dofler, G.	Aug. 20, 1827
Pugh, E.	Dec. 24, 1827
Wiard, W.	Jan. 26, 1828
Looveridge, R.	May 8, 1828
Howard, C.	Mar. 10, 1828
Deats, J.	Ayr. 26, 1828
Herbert, R.	Aug. 19, 1828
Deakyne, J.	Nov. 18, 1828
Staples, N.	Nov. 1, 1828
Gordon, John	Jan. 13, 1829
Boatright, J.	June 11, 1829
Minturn, J.	June, 11, 1829
Rhodes, J.	June, 11, 1829
Brown, T.	Sept. 11, 1829
Ruder, R. and Ashley, S. D.	Oct. 21, 1829
Cobb, I.	Dec. 7, 1829
Armstrong, A. D.	Jan. 5 1830
Wilson, Samuel	Feb. 6, 1830
Walker, R.	Mar. 10, 1830
Barnard, D.	Apr. 21, 1830
Pawling, C.	May, 21, 1830
Yager, J.	June 9, 1830
Cobb, J. P.	Oct. 1, 1830
Mitchell, A.	Oct. 1, 1830
Cline, Samuel,	Nov. 12, 1830
" " (R)	Oct. 15, 1836
Anthony, J.	Feb. 1, 1831
Miller, T.	Feb. 15, 1831
Peebles, A.	July 20, 1831
Thacker, B. Jr.	July 20, 1831
Etheridge, N., Heath, G. and Glynne, I. G.	July 23, 1831
Savage, W. and Davison, H.	Aug. 24, 1831
Black, W.	Oct. 4, 1831
Carothers, J.	Dec. 10, 1831
Whitias, Thos. A.	Jan. 14, 1832
Woodcock, B.	Jan. 26, 1832
Ogle, J.	Feb. 28, 1832
Norton, Job B.	Apr. 27, 1832
Crowl, Geo.	June 27, 1832
Wolf, Geo.	June 27, 1832
Moore, John	Aug. 17, 1832
Palmer, Geo. W.	Aug. 17, 1832
Beach, W.	Oct. 25, 1832
Beach, W.	Dec. 28, 1832
Hoffman, Moses	Dec. 28, 1832
Brewster, F.	Jan. 24, 1833
Peachey, H.	Apr. 5, 1833
Speilhman, H. and Miller, D.	Mar. 25, 1833
Donald, W. B.	June 29, 1833
Donnell, Lewis	July 23, 1833
Delano, C.	July 5, 1833
Evans, G.	Sept. 18, 1833
Carter, Thomas	Dec. 16, 1833
Sharp, Joseph P.	Dec. 20, 1833
Atward, W. and Hamblet, D.	Dec. 24, 1833
Staeblar, David	Mar. 15, 1834
Hussey, Benjamin	Apr. 1, 1834
Monford, John	Apr. 8, 1834
Prescott, Jos. T.	May 15, 1834
Zook, S.	June 17, 1834
Jacobs, Jas.	July 8, 1834
Peachy, Henry	July 25, 1834
Cromwell, Joseph	Oct. 9, 1834
Ghormley, David	Feb. 13, 1835
Hess, William	Mar. 27, 1835
Davis, D.	July 17, 1835
Holt, Wm.	Aug. 27, 1835
Gray, Guy	Sept. 18, 1835
Tefft, J. S.	Oct. 17, 1835
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Baughman, S. P.	100	64
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Bazemore, W. T.	200	123
Beach, E. O.	30	20
Beach, L. L.	383	231
Beach, W.	494	312
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Belt, A. C.	560	336
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Bement, A. O.	151	90
Bement, E.	695	451
Benedict, I. A.	879	551
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Bennett, H. L.	183	111
Bennett, W.	345	510
Bennett, H. R. and D. E.	900	558
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Benson, B. S.	1039	636
Benson, B. S.	1040	638
Benson, B. S.	1041	638
Benton, J. F.	424	260
Benton, J. F.	425	260
Berdan, M.	1067	652
Bergen, C.	461	291
Bergen, C.	691	449
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Billups, C.	873	549
Billups, C.	874	549
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Bissel, T. M.	417	249
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Blair, R. A. and Reed, J. B.	68	50
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Bodley, J. W.	818	524
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Bond, J. P.	850	541
Bond, J. L.	1073	654
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Bonham, G. W.	1010	625
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Bouchet, P.	962	589
Boul, C.	1086	659
Bourne, E.	780	510
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Brandy, J.	288	173
Brannan, F. P.	986	607
Breeden, C. C. and Wheeler, O. T.	800	517
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Brimingham, G. B.	1080	657
Brinly, T. E. C.	28	19
Brinly, T. E. C.	76	54
Brinly, T. E. C.	274	169
Brinly, T. E. C.	536	328
Brinly, T. E. C. and Dodge, J. G.	542	330
Brinly, T. E. C.	551	333
" " " " (R)	551	333
Brinly, T. E. C.	559	336
Brinly. T. E. C.	576	343
Brinly, T. E. C.	582	345
Brinly, T. E. C.	588	348
Brinly, T. E. C.	589	348
Brinly, T. E. C.	606	353
Brinly, J. L.	663	379
Brinly, T. E. C.	865	547
Brinly, T. E. C.	985	607
Brinly, T. E. C.	1077	656
Brinly, T. E. C.	1089	669
Brison, J.	78	54
Bristol, L. C.	132	81
Britton, W.	593	349
Brodnax, D. W. Sr.	795	515
Bronson, P. K.	696	451
Brooks, J.	307	187
Brooks, R. H.	846	540
Brooks, C. C.	969	592
Brott, G. F.	1032	633
Brous, T. M.	622	360
Brown, C. E.	8	4
Brown, T. J.	236	140
Brown, S. E.	249	147
Brown, D. F. and E. C.	351	212
Brown W. P.	416	248
Brown, R. A.	609	355
Brown, J. B. and Pentreath, J.	712	457
Brown, W. P.	991	609
Brown, E.	1037	635
Browne, G.	363	216
Bruce, J. B.	660	377
Brutschke, F.	1042	638
Bryan, J. P.	183	111
Bryan, C. M.	464	292
Bryan, F. C.	969	593
Bryan, F. C.	495	313
Bryant, W.	1055	649
Buch, J.	495	313
Buchanan, J. M.	676	385
Bucher, J. R.	708	456
Buckingham, C. P.	31	20
Buckley, R. C. and Harms, D. G.	27	18
Bucklin, M.	433	272
Buhoup, H. C.	283	172
Buhoup, H. C.	284	172
Bullock, W.	693	450
Bump, F. E. and Gear, J. W.	29	19
Burbridge, C. H.	267	166
Burch, I. W.	213	129
Burch, N.	605	353
Burch, L. D.	699	452
Burch, I. W.	778	509
Burch, L. D.	931	577
Burch, L. D.	932	577
Burdin, L. E.	27	18
Burdin, L. E.	723	469
Burdin, L. E.	1071	654
Burgess, W. D. and Zeigler, G. W.	863	546
Burgess, T. J.	950	584
Burghard, J. H.	415	248
Burhyte, T. J.	309	187
Burke, J. M.	843	539
Burlingame, A. H.	149	89
Burlingame, A. H.	155	92
Burnham, T. C.	232	137
Burnham, T. C.	227	135
Burnham, T. C.	230	137
Burnham, W. H. H. and Pierce, S. B.	1061	650
Burns, P. H. and McElhany, W. G.	642	369
Burns, P.	581	345
Burr, G. W.	49	37
Burrall, T. D.	421	259
Burridge, T. H.	1005	622
Burtless, M. E.	315	190
Burton, O. F. and Hoit, L. B.	496	293
Burton, W. V.	519	323
Busch, W.	242	143
Bussell, E. T.	386	232
Bussell, E. T.	772	506
Bussell, E. T.	755	500
Bussell, E. T.	783	511
Bussell, E. T.	784	512
Bussey, W. C.	304	185
Butler, M.	133	82
Butler, M.	473	295
Butler, M.	656	376
Butler, J.	946	583
Butterfield, J. C.	27	18
Byrd, J. A.	534	327
Byrns, P.	381	231
Cadenhead, J. J.	523	324
Cage, H. B.	214	129
Cagwin, F. L.	775	508
Cahill, M.	12	5
Caldwell, S, N.	318	191
Caldwell, F. M.	700	453
Caldwell, J. R. and Heren, J. W.	889	554
Call, M.	883	552
Calvin, L. H. and Wallace, J.	705	454
Cameron, J. C.	275	169
Cameron, J. F.	342	209
Cameron, W. F.	716	459
Cameron, W. F.	733	474
Cameron, J. F.	1059	650
Camp, S. N.	236	139
Camp, E. J.	891	555
Campbell, J. J.	451	279
Cannaday, C.	203	124
Canterberry, S.	535	328
Canty, T.	476	296
Capehart, T.	166	99
Card, J. and Newell, G.	503	317
Carleton, L.	1071	654
Carlson, T.	651	373
Carman, A.	63	49
Carnes, S.	892	555
Carpenter, J. C.	479	297
Carrington, H. L.	7	3
Carrington, J.	432	271
Carraway, L. W.	286	173
Carson, J. B.	240	142
Carson, A.	859	544
Carstens, N. and C.	378	230
Cartwright, E.	475	295
Cary, F. F.	725	470
Case, J.	430	271
Case, J. I.	663	379
Caseleer, S.	114	74
Casey, C.	265	166
Cassidy, R., Lamb, T. B. and Vaughan, C. L.	627	363
Cates, J. G.	1098	672
Cato, W. W.	874	549
Cedarland, S. N.	730	472
Chafee, V. M.	533	327
Chafee, V. M.	615	357
Chamberlain, W. C.	33	21
Chamberlain, W. H.	773	507
Chamberlin, G.	448	278
Chambers, G. W. and Washam, I.	210	127
Chambers, C. F.	594	349
Chandler, B. F.	709	456
Chandler, M.	742	485
" " (R)	742	485
Chandler, M.	746	487
Chapin, T. F.	520	323
Chapman, L.	158	94
Chapman, J. H.	380	230
Chapman, L.	659	377
Chapman, L.	659	377
Chapman, L.	659	377
Chapman, A. B.	724	470
Chapman, L.	945	583
Chapman, L.	947	583
Chapman, L.	966	591
Chapman, L.	967	592
Chase, J. F.	89	58
Chase, J. F	92	60
Chase, N. C. and Saunders, C. W.	370	227
Chase, W. L.	926	575
Chase, M. L.	926	575
Chateau, L. J.	1061	650
Chenoweth, R. B.	491	309
Chenoweth, R. C.	497	314
Chenoweth, J.	779	510
Chevalier, F.	624	361
Chichester, H. S.	240	329
Christ, A.	421	259

	Plate	Claim
Christman, A. G.	672	383
Christman, A. G.	660	377
Christy, J.	393	234
Chubb, E. A.	123	78
Chubb, A. L.	158	93
Chubb, A. L.	661	378
Church, M. C.	101	65
Clarke, G. C.	42	34
Clarke, G C.	53	38
Clark, W. R.	311	188
Clark, G.	320	192
Clark, J. A.	323	193
Clarke, E.	383	231
Clark, W. O.	393	234
Clark, J. M.	417	249
Clark, J. and Yost, G. W. N.	463	292
Clark, E. C.	535	328
Clark, E C.	846	540
Clark, J. M.	860	544
Clark, T. J. and G. M.	876	550
Claton, T.	301	185
Cloyton, J.	152	90
Clayton, J.	159	94
Cleasy, G.	508	319
Clemens, S. A.	447	277
Clements, G. M.	743	486
Cleveland, H.	302	185
Clifton, J.	1073	654
Cline, W., Jr.	316	190
Clinger, P. S.	371	227
Clore, W.	142	86
Close, J. H.	480	297
Cloud, J. C.	516	321
Clough, A. S.	970	593
Cluckner, J.	355	214
Cobb, J. M.	266	166
Cobb, J. M.	279	170
Cobb, J. M.	876	550
Cobb, J. M.	1059	650
Cochran, R. F.	679	387
Cockley, D.	41	33
Cochskutt, J. G.	31	20
Coddington, R. and Mc Call, D.	933	577
Coe, O.	1062	650
Coggeshall, W.	542	330
Cogswell, C. A	346	211
Coil, T. G.	452	279
Colborn, L. H.	769	505
Cole, G. W.	381	231
Cole, J. and Wall, A. L. O.	429	571
Cole, G. W.	568	339
Cole, J. L.	763	503
Coles, J.	7	3
Collett, W. H.	141	85
Collins, I. W. and Wilkinson, R. Y.	206	125
Collins, S.	1091	669
Colvin, B.	400	238
Colwell, W. S.	468	293
Colwell, W. S.	470	294
Combs, A. J.	184	111
Commings, R.	303	185
Comstock, W. G.	380	230
Comstock, C.	759	501
Comstock, C.	762	502
Comstock, C.	765	503
Conaway, W. A.	708	456
Conaway, W. H.	950	584
Condo, D.	667	381
Cone, M. D. and Douglass, A. N.	375	229
Cone, F. C.	777	509
Conklin, J. H.	514	321
Conklin, J. H.	691	449
Connelly, W. E.	965	591
Conner, L. H.	901	559
Conrad, S. A.	390	233
Cook, R.	344	210
Cook, I. and Bever, J. T.	531	326
Cook, E. S.	602	352
Cook, W. H.	708	456
Cooley, W.	554	334
Cooley, S.	597	350
Coombs, W. G.	48	36
Coon, J. H.	793	514
Coonley, J. C. and Buckius, A. O.	90	59
Cooper, G. W.	699	452
Cooper, G. W.	774	507
Cooper, G. W.	838	538
Cooper, G. W.	853	542
Cooper, I.	854	542
Cooper, M.	903	560
" " (R)	903	560
Cooper, J. B.	1060	650
Corchran, A. J.	823	526
Coreth, R.	478	297
Cornell, T. J.	42	34
Cornell, E.	429	271
Cornoyer, O. J.	165	98
Coston, J.	225	134
Coston, J.	384	232
Cotten, T. L.	1070	653
Cotten, T. L.	1079	656
Cottman, T.	549	333
Couch, W. A.	414	248
Cowing, H.	995	619
" " (R)	996	619
Cowley, W. A.	960	588
Cowley, W. A.	973	595
Cox, T. S.	434	272
Cox, C. G.	617	357
Cox, A. G. and Johnson, R. A.	906	561
Cox, H.	925	575
Crandall, C. U., J. H. and Hawkins, A.	435	273
Crane, I. C.	761	502
Cravath, M. A. and I. M.	771	506
" " " " (R)	772	506
Carfts, A. and Weeks, E.	752	499
Crawford, J. M.	374	228
Creamer, J. and Ricards, T. W.	432	272
Creamer, J.	448	277
Crenshaw, J. B.	657	376
Creuzbaur, R.	1023	630
Crichton, W.	200	123
Chritchet, M. H.	450	278
Critchet, M. H.	451	279
Crockett, R. S.	1072	654
Crofut, C.	373	228
Crofut, C.	393	234
Cromwell, J. and H. F.	504	318
Cromwell, H. F.	532	327
Crook, C. T. and Hoffman, L. J.	898	258
Crossby, W. E. and Carey, A.	821	526
Crossley, C. M.	895	556
Cullen, J. M.	261	105
Culver, M A.	103	65
Culver, J. M.	380	230
Culver, D.	745	487
Culver, D.	872	549
Culver, F. and J. H.	955	586
Cuming, T. Jr.	702	453
Cummings, J. G.	525	325
Cummins, A. G. and J. R.	575	343
Cunningham, J. T.	100	64
Cunningham, G. W.	537	328
Curkendall, G.	124	79
Currier, H. A.	161	95
Curry, C. J.	246	145
Curry, B. J.	253	150
Curryer, J. C. and W. F.	348	211
Curryer, J. C. and W. F.	355	214
Curtis, S.	572	341
Curtis, J.	1012	626
Curtis, J. and Rowland, C.	113	74
Custer, W.	347	211
Custer, J.	1068	653
Cutcliffe, E.	1080	657
Dahl, M. K.	583	346
Dahl, A. K.	609	355
Dahlman, C. O.	374	474
Dailey, A. A.	79	54
Dailey, S. H.	80	55
Dale, T.	220	132
Daniel, C.	961	589
Daniel, C.	963	590
Daniels, C. J.	804	519
Daniels, W. H.	988	608
Darby, J. G.	5	2
Darby, T. C.	1036	635
Darden, S. C.	213	129
Darrow, G. P.	69	51
Davidson, E.	530	326
Davies, J. and Skinner, C. C.	324	193
Davies, O. T.	327	195
Davis, A. M.	137	84
Davis, M. E.	214	130
Davis, C. C. and A. G.	240	142
Davis, C. C. and Mercer, W. H.	289	174
Davis, L. Jr.	361	216
Davis, A. B.	471	294
Davis, G.	493	310
Davis, J. W.	662	379
Davis, F.	846	540
Davis, L. H. and Aycock, I.	885	553
Davis, V. R.	895	557
Davis, B. and Scroggin, J. M.	1058	649
Dawdy, L. J.	388	233
Dawson, W. W.	640	368
Dawson, W. J.	778	509
Day, A.	273	168
Day, D. C.	944	583
Deal, J. J. and Hobbs S.	51	37
Deane, G. S.	119	77
Dearth, W. L. and Rondebush, G. P.	353	213
Deats, J.	495	313
" " (R)	495	313
Deats, J.	500	316
Deats, J.	502	317
Decelle, M.	783	511
Deeker, N. C.	13	6
Ducker, P. H.	729	472
Deere, J.	547	332
Defenbaugh, A.	430	271
DeForce, S. A. and McConnell, W. V.	239	141
Delano, H.	111	73
Delano, C.	922	573
Delavigne, J. C.	1016	628
Delfer, F. L.	324	193
Delfer, F L.	325	194
DeLong, G. A.	891	555
DeLong, G. A.	899	558
Dement, J.	343	209
Dement, J.	546	332
Denise, S. T.	45	35
Denise, S. T.	570	341
Dennett, L. B.	550	333
Dennis, P.	841	538
" " (R)	841	538
Dennis, P.	856	543
Dennis, S. Jr.	929	576
Densmore, J.	143	86
Densmore. J.	772	506

	Plate	Claim
Depew, G. W.	67	50
Dever, J. P.	256	152
Devereaux, C. P.	45	35
Dexheimer, J. P.	951	585
DeYampert, T. J.	694	450
Dicer, W.	716	459
Dick, J. M.	543	330
Dickerson, W. and Strain, W. H.	896	557
Dickert, C. P. and Heller, E. McD.	252	149
Dickie, R. and Johnston, H. K.	585	346
Dickson, J. H.	2	1
Dickson, J.	528	325
Dickson, A.	1057	649
Dietsch, E.	588	348
Dietz, F.	186	112
Dillenback, D.	127	80
Dills, O. P.	69	51
Dirst, A. L.	358	215
Divelbiss, H. T. and Brasfield, J. S.	449	278
Dock, J. F.	52	38
Doddridge, L. M.	351	212
Doddridge, L. M.	1092	670
Dodge, G.	116	75
Dodge, J.	131	81
Dodge, G.	153	91
Dodge, T. H.	341	209
Dodge, J. G.	561	337
Dodge. G.	650	372
" " (R)	650	373
Dodsworth, T. C.	11	5
Doe, A.	928	576
Dolhaner, J.	498	315
Dollahon, C. T.	227	135
Domscke, C.	482	298
Donnelly, W.	4	2
Doolittle, Z. and Crowder, A. M.	211	128
Dormon, J. M.	900	558
Doty, W. H. H.	873	549
Dougherty, J. C.	344	210
Douglas, C. B.	219	131
Douglass, J. T.	362	216
Dover, S. B.	1087	659
Dow, T.	75	53
Dow, T. H. C.	886	553
Dowler, J. W.	396	235
Downman, R. W.	311	188
Downs, J. W.	601	352
Dozier, M. D.	630	364
Draughon, R. I.	214	130
Draughon, R. I.	245	145
Dudley, J.	495	313
Dugdale, J. K.	372	228
Dugdale, J. K.	395	235
Dugdale, G. R. and Breed, D.	617	357
Dugger, G. W.	256	152
Duling, C. F.	103	65
Duncan, J. C.	557	335
Dunn, J. D.	214	130
Durfee, H. B.	573	342
Durfee, H. B.	580	345
" " " (R)	581	345
Durfee, W. H.	975	596
Dutcher, J.	503	317
Duvall, L.	384	234
Dyer, C. V.	53	38
Dyer, I. T.	728	471
" " " (R)	728	171
Dyer, C. V.	730	472
Dysard, J. W.	1094	670
Earlywine, N.	221	132
Earnhart, M.	265	166
Eastwood, I.	126	80
Eastwood, I.	1092	670
Eaton, J. M.	88	58
Eaton, E. C.	167	99
Eavenson, J. I.	650	372
Eavenson, J. I.	657	376
Eaves, J. B.	234	139
Eberle, L. Sr., E. and L. Jr.	643	369
Eby, J. M.	859	544
Eccles, W. M.	48	36
Eckles, H. P.	774	507
Eddy, W.	70	51
Eddy, H. D.	399	237
Edey, H. F.	666	380
Edleblute, L. S.	966	591
Edmunds, T.	702	453
Edwards, W. H.	89	59
Edwards, C. D.	329	196
Edwards, C. D	329	196
Edwards, A. N.	576	343
Eichar, P.	509	319
Elcock, J.	664	380
Eldred, A.	926	575
Eldrid, D.	931	577
Elliott. J. W.	602	352
Elliott, J. C.	790	513
Ellis, J. F. and Robinson, C.	94	61
Ellis, M.	953	585
Elliston, C. T.	787	513
Ells, C. S.	97	62
Elmer, C. R.	71	52
Elmer, A.	433	272
Elmer, A.	434	272
Elton, C. A.	559	336
Elward, J. H.	46	35
Elward, J. H.	444	276
" " " [R)	434	276
Emeron, R.	134	82
Emerson, C. W.	371	227
Emerson, B. K.	637	367
Emery, G. and Wilson, A. C.	531	326
Emmert, E.	342	209
Enete, E.	213	129
English, E. O. and Whyte, R.	478	296
Eppes, A. F.	869	548
Erkson, G.	65	49
Estes, H.	96	62
Esterly, G.	520	323
Estes, C. E.	286	172
Estes, W. A.	729	472
Estes, W. A.	730	472
Estes, W. A.	732	473
Estes, W. A.	733	473
Estes, W. A.	733	474
Etzler, E. J.	482	298
Eustace, M.	229	136
Eustace, M., Kennan, J. and T.	281	171
Evans, I.	64	49
Evans, E.	73	53
Evans, W. D.	230	137
Evans, C. and O.	293	310
Evans, L. G.	521	323
Evans, O. C.	754	499
Evans, J. D.	861	545
Evans, W. B.	864	546
Evans, J. W.	1002	621
Evans, J. W.	1030	632
Evarts, W. C.	559	336
Everdon, W. P.	1065	652
Ewing, L.	232	137
Ewins, R. H.	932	577
Ewings, O. G.	262	165
Eyth, M.	1017	628
Falker, P.	74	53
Farber, M. W.	163	97
Farmer, A. H.	144	87
Farnsworth, J. L.	289	174
Farquhar, A B.	281	171
Farquhar, A. B.	600	351
Farquhar, A. B.	887	554
Farr, C. K.	262	195
Farr, C. K.	305	186
Farrell J. O.	894	556
Faught, N.	473	295
Fawkes, J. W.	999	620
" " " [R]	1000	621
Fawkes, J. W.	1003	622
Fawkes, J. W.	1010	625
Feierabend, J.	820	525
Feldhans, F.	561	337
Feldmann, J. H.	906	561
Feldmann, J. H.	975	596
Felt, J. S.	974	595
Felton, S.	494	312
Fenley, G. W.	793	514
Fenner, R. R.	575	343
Fenner, R. R.	603	352
Ferguson, S. T.	6	3
Ferguson, S. T.	139	84
" " " (R)	139	84
Ferguson, D. P.	641	368
Ferguson, J. B. and White, S. M.	701	453
Ferguson, D. P.	888	554
Ferguson, J. C.	889	554
Fey, C.	399	237
Fetzer, J. G.	424	260
Fields, J. W.	480	297
Field, G. B.	752	499
Field, B. F.	757	501
Field, G. B.	756	500
Finnegan, J.	416	248
Finnegan, J.	990	608
Finney, W. C.	261	165
Finson, C. H.	395	235
Fish, J.	556	335
Fisher, L. W.	323	193
Fisher, J.	1067	652
Fithian, L. S.	765	503
Fithian, L. S.	767	504
Fitts, R. B. and Thackara, J. W.	372	228
Fitzgerald, J. C.	771	505
Fitzhugh, B. G.	385	232
Flanagin, J.	83	56
Flansburgh, P. H.	937	579
Fleischmann, C. L.	310	188
Fleischmann, G. L.	554	334
Fleming, T. T.	270	167
Fletcher, S. E.	1078	656
Fliedner, L.	73	53
Flippen, C. W.	631	364
Fogarty, J.	1030	632
Fogarty, J.	1033	633
Fogarty, J. H.	1042	639
Fogelgesang, F.	25	17
Foley, D. D.	724	470
Folsom, S. H.	388	233
Forbis, E.	307	186
Ford, E. T.	42	34
Ford, I. M.	880	551
Foreman, E. L.	313	189
Foreman, E. L.	314	190
Foreman, E. L.	315	190
Foreman, J. H.	836	537
Forney, D. P.	202	123
Forsgard, G. A.	785	512
Forsyth, R. G.	318	191
Fort, M.	869	548
Fosdick, L.	470	294
Foss, C. H.	85	57
Foster, A. K. and B. H.	207	126
Foster, N. H.	666	381
Foster, C.	563	338
Foster, A. G. W.	625	361
Foster, C. R.	809	521

	Plate	Claim
Fowler, W. R.	7	3
Fowler, J.	549	333
Fowler, N. M.	964	591
Fowler, J., Jr.	1007	623
Fowler, J., Jr.	1007	623
Fowler, J. Jr. and Greig, D.	1007	623
Fowler, J. Jr.	1009	624
Fowler, J., Jr. and Worby, W.	1009	624
Fowler, J., Jr., Burton, R., Greig, D. and Head, J.	1010	625
Fowler, J., Jr.	1012	626
Fowler, J., Jr., Worby, W. and Greig, D.	1013	626
Fowler, J., Jr., Greig, D. and Noddings, R.	1013	626
Fowler, J.	1064	651
Fox, J.	348	211
Foye, W. H.	792	514
Foye, W. H.	796	515
Foye, W. H.	1035	635
Foye, W. H.	1035	634
Frank, W.	545	331
Franklin, F. M.	574	342
Franklin, A.	581	345
Franklin, F. M.	585	347
Franklin, A. and F. M.	587	347
Fraser, E. J.	770	505
Frazee, L. F.	782	511
Frederick, S. H.	74	53
Freeborn, W.	799	517
Freeman, I.	623	360
Freeman, I.	1083	658
French, C. M. and Fancher, W. H.	24	17
French, W. and Prentice, J. W.	392	234
French, C. M.	569	340
French, E. D.	887	554
Friberg, A.	412	247
Fromm, A. F.	9	4
Frost, L. C.	4	2
Frye, J.	722	469
Fudge, J. M., Holmes, F. M. and McDonald, S.	454	280
Fuller, M. H.	401	238
Fulk, C. E. and Good, J. J.	952	585
Furnas, S.	327	195
Furst, C.	124	78
Fulton, D.	586	347
Gable, A. C.	140	85
Gaines, W. C.	519	131
Gaines, C. A.	263	165
Gaines, R. and Scott, M.	468	293
Gaines, C.	879	551
Gale, H.	28	19
Gale, H.	92	60
Gale, H.	125	79
" " (R)	126	79
Gale, H.	135	82
" " (R)	135	83
Gale, H.	584	346
Gale, H.	615	357
" " (R)	616	357
Gale, H.	642	369
Galentine, H.	130	80
Gallagher, P.	63	49
Gallatin, J.	507	318
Gammill, G. W.	899	558
Gandy, O. S.	892	555
Ganong, L. W.	273	168
Ganse, H. D.	370	227
Gardner, J. N.	234	138
Gardner, F. M.	352	213
Gardner, C.	742	485
Gardner, J. M.	1044	640
Garlington, T. C.	839	538
Garrett, J. M.	225	134
Garrett, G.	346	211
Garrett, C. and Cottman, T.	523	324
Garver, A. A.	758	501
Gates, W. A.	262	165
Gatling, J.	199	123
Gatling, R. J.	205	124
Gatling, R. J.	758	501
Gatling, R. J.	761	502
Gatling, R. J.	836	537
Gatling, R. J.	997	619
Gaunt, F.	154	92
Gautier, F.	54	39
Gautier, F.	655	375
Gavett, H. L. F.	304	186
Gay, G. B.	286	172
Gaylord, C. H. and Ayers, E. M.	622	360
Gedney, G. W. B.	757	500
Gehr, J.	41	33
Genzly, J.	142	85
George, J.	548	332
George, J.	672	384
Gero, E. C. and Cooley, J. N.	700	452
Gibbon, C.	210	128
Gibbs, G.	44	35
Gibbs, L.	70	51
Gibbs, R.	83	56
Gibbs, L.	132	81
" " (R)	132	81
Gibbs, M. L.	151	90
Gibbs, L.	416	248
Gibbs, J.	463	292
Gibbs, J.	499	316
Gibbs, L.	550	333
Gibbs, L.	556	335
Gibbs, G.	565	338
Gibbs, R.	585	346
Gibbs, M. L.	587	347
" " " (R)	587	347
Gibbs, M. L.	594	350
" " (R)	595	350
Gibbs, L.	646	370
Gibbs, L.	648	371
Gibbs, W. G., and Wikidal, L. P.	698	452
Gibbs, M. L.	703	453
Gibbs, L. H.	1024	630
Gibson, D. D.	129	80
Gibson, R. F. and McDaniel, R. P.	237	140
Giger, B.	836	537
Gilbert, I. R.	100	64
Gilbert, J. W.	244	144
Gilbert, D.	860	545
Gilbert, J. R.	868	547
Gilbert, I. R.	903	559
Gilbert, P. M.	1063	651
Giles, J.	1029	632
Gill, J. L.	522	324
Gillaspie, L. C. Sr.	283	171
Gilleland, J. H.	233	138
Gilleland, J. H.	894	556
Gillespie, R. T.	356	214
Gillespie, R T.	358	215
Gillet, H.	445	276
Gillette, H.	1076	656
Gilliam, J. W.	577	344
Gilman, W.	25	17
Gilmer, J.	603	352
Gilmore, A.	566	339
Gilson, T. and Martin, N.	551	333
Gingrich, J. K.	42	34
Gitt, D. D.	40	33
Glasoe, O. J.	51	37
Glenn, N. Z.	873	549
Glidden, C.	553	334
Glover, F. E.	236	139
Glover, J. R.	882	552
Gochnour, D. Jr.	924	574
Goddard, E. G.	823	526
Goddard, S. P.	1032	633
Goddin, N. A. H.	852	542
Godfrey, S. T.	47	36
Godfrey, H. C.	604	353
Godfrey, J. S.	726	471
Godfrey, J. S.	627	471
Godfrey, J. S.	727	471
Godfrey, J. S.	728	471
Godfrey, J. S.	728	472
Godfrey, J. S.	729	472
Goelet, E. H. and E. B.	211	128
Gogel, J.	959	588
Going, A. J.	212	129
Golden, T. E.	905	561
Goldson, H.	261	165
Golsan, W. W.	206	125
Gooch, J. H.	465	292
Goodall, J. H.	868	547
Goodell, J. W.	1002	621
Goodrich, B.	857	544
Goodwin, W. C.	377	229
Goodwin, W.	386	232
Goodyear, A.	30	20
Goodyear, A.	648	372
Goodyear, A.	651	374
Good ear, A.	658	377
Goolman, W P.	431	271
Goolman, W. P.	439	274
Gordon, C. M.	49	37
Gordon, C. M.	585	347
Gordon, E.	762	502
Gorham, J.	840	538
Gorham, J.	845	539
Goslee, O. W.	744	487
Gossett, W. I. and Stark, J. P.	956	586
Gotton, N.	269	167
Gowen, W.	382	231
Grabo, C. G.	447	277
Grabo, C. G.	763	503
Graham, E. M.	389	233
Graham, R. A.	519	323
Graner, J.	801	517
Grant, W. H.	186	112
Grant, C. W.	560	336
Graves, R.	156	93
Graves, W. W.	267	166
Gray, J. R.	998	620
Gray, N. A.	1011	625
Gray, N. A.	1016	628
Green, L.	446	277
Green, L.	535	328
Green, L.	544	331
Green, L.	547	332
Green, L.	723	469
Greeson, E. M.	215	130
Gregory, S.	502	317
Greif, J V.	557	335
Griffies, W. J.	843	539
Griffin, G. L. and Carper, J H.	440	275
Griffin, W.	850	541
Griffin, I. M.	1082	657
" " " (R)	1082	658
Griffith, L. B.	23	17
Griggs, A.	1083	658
Grimes, C. T.	570	341
Groom, R.	48	36
Gross, J. G.	157	93
Gross, G., Jr.	741	485
Gross, E.	1059	649
Gross, J. C.	1069	653
Grover, M.	525	325
Grover, M.	541	329
Guice, T.	274	169
Gum, J. S.	664	379
Guthrie, L.	867	547

	Plate	Claim
Guyer, J.	371	227
Gwynn, S.	1005	623
Hacke, F.	417	249
Hackman, A.	655	375
Haege, J.	543	330
Haege, J.	556	335
Haessel, J.	864	546
Hafner, J.	663	379
Haggard, G. W. and Bull, Geo.	753	499
Hague, C. A.	162	96
Hague, C. A.	162	96
Haight, D. B.	515	321
Haiman, E.	279	170
" " (R)	180	170
Haiman, E.	591	348
" " (R)	591	348
Hain, M. and D.	360	215
Hakes, H. B.	949	584
Hale, N. M.	216	130
Hale, O. F.	322	192
Hall, J. S.	24	17
Hall, J. S.	67	50
Hall, T. J.	112	73
" " (R)	112	73
Hall, J. H.	118	76
Hall, J. M.	201	123
Hall, J. M.	203	124
Hall, F. A. and Milton, N. B.	243	144
Hall, J. A.	375	229
Hall, J.	391	234
Hall, S.	514½	321
Hall, J. S.	535	328
Hall, J. S.	568	340
Hall, J. D.	584	346
Hall, J. S.	695	451
Hall, H. G. and E. L.	697	452
Hall, L. W.	712	457
Hall, A.	477	296
Hall, J. S.	837	537
Hall, J. S.	837	537
Hall, J. M.	842	539
Hall, S.	927	575
Hall, J. S.	928	576
Hall, J. M.	930	577
Hall, J. S.	948	584
Hall, J. S.	951	584
Hall, A. W.	1011	625
Halsted, J. D. and A. M.	372	228
Hamilont, E. T. and Earl, C. N.	455	280
Hamlet, W.	455	281
Hammer, J. A. and Gordon, J. P.	445	267
Hammond, A.	434	273
Hammond, A.	441	275
Hampe, A.	617	358
Hampe, A.	616	357
Hancock, M. T.	905	560
Hanes, J.	856	543
Hanon, J. Jr.	441	275
Hanson, C.	678	387
Hapgood, J.	945	583
Hapgood, J.	954	586
Harbaugh, J. R.	1098	672
Harbert, T. M.	1097	671
Harcrow, J. M.	221	132
Hardenbrock, R.	937	579
Hardesty, B. T.	184	111
Hardin, A. I.	929	576
Harding, W. E.	423	259
Hardy, D.	290	174
Harg, J. H.	902	559
Harmon, D.	317	191
Harmon, W. R.	860	545
Harned, A. L.	325	194
Harper, C. A.	46	36
Harper, D.	542	330
" " (R)	543	330
Harper, C. A.	1091	669
Harpster, R.	356	214
Harrell, W. K.	600	351
" " (R)	600	351
Harrington, W. H. and Merrill, A. B.	732	473
Harris, S. M.	52	38
Harris, E. H. and Cleghorn, J.	199	123
Harris, T. J.	272	168
Harris, J. R.	276	169
Harris, J. R.	277	169
Harris, J. R.	277	170
Harris, C. A.	376	229
Harris, Z.	492	309
Harris, J.	553	334
Harris, E.	758	501
Harris, J. P.	842	539
Harris, J. P.	1056	649
Harris, I. P.	1058	649
Harrison, C. B.	229	136
Harrison, I. F.	282	171
Harrison, N. and Metcalf, J. W. H.	928	576
Harrison, J. P.	234	138
Harsha, James	2	1
Hart, T. M.	248	146
Hart, G. D.	986	607
Hartman, C. R.	161	95
Hartman, J.	957	587
Hartman, C. R.	1066	652
" " (R)	1067	652
Hartmann, J.	951	585
Hartmann, J.	960	588
Hartmann, J.	961	589
Hartmann, J.	971	594
Hartpence, S. and Bowne, J. D.	500	316
Hartsfield, J. A.	205	125
Hartzell, C.	82	55
Hartzell, J. S.	629	363
Hartzell, C.	574	342
Harvey, E. O.	85	57
Harvey, W. W.	285	172
Harvey, B.	703	453
Haskin, O.	968	592
Haskins, A.	331	197
Hastings, P.	496	314
Hatcher, J. W.	221	132
Hathaway, S.	148	89
Haven, G. S.	990	608
Haven, G. S.	644	369
Haviland, G. W.	363	217
Hawes, B. B.	86	57
Hawkins, A. B. and Puntenney, J.	442	275
Hawkins, J.	1002	621
Hawley, E. E.	369	227
Hawse, B. B.	89	58
Hawse, B. B.	957	587
Hayden, C.	1066	652
Haynes, J.	797	516
Haynie, J. D.	184	111
Haynsworth, H.	383	231
Heald, R. K.	678	387
Heartsill, A.	895	557
Heckendorn, J.	140	85
Heckendorn, J.	524	354
Heckendorn, J.	574	342
Hedrick, G. T.	629	363
Heffley, G., Conrad, S. and Wigle, J.	517	322
Hege, C. A.	618	358
Heiges, D.	583	345
Heiway, F. E. and Walls, J. J.	276	169
Helmecke, F. A.	249	147
Henderson, R. B.	209	127
Henderson, L.	212	129
Henderson, J.	264	165
Hendley, J. W.	632	365
Henry, W.	546	332
Henry, J. C.	1090	669
Herberg, P. P. and Clausen, P. H.	12	5
Herbert, W. and C. T.	188	113
Herbert, J.	302	185
Herring, J. F.	704	454
Hess, G. H.	377	229
Hesselbom, C. M.	789	513
Hewit, S.	762	502
Heydrick, W. H. H.	1014	627
Heydrick, W. H. H.	1025	631
Hibbs, J.	40	33
Higgins, R. S.	119	77
Higgins, J. and J. W.	352	213
Hildreth, G. W.	701	453
Hill, A. R.	287	173
Hill, H. W.	327	195
Hill, F. A. and Church, M. J	332	197
Hill, D. H.	866	547
Hill, D.	1089	669
Himrod, W. G.	8	3
Hinckley, F. F.	438	274
Hinds, W.	546	331
Hinman, J. and French, D. S.	205	125
Hoadley, J.	764	503
Hoagland, J. N., Cumming, H. L. and Tallman, F. G.	670	382
Hobson, I.	435	273
Hodge, E. C.	942	582
Hodge, E. C.	944	582
Hodge, E. C.	958	588
Hoefelman, W. H.	1693	670
Hoffhein, R.	450	278
Hoffmeyer, A. B. and Schmidt, J.	788	513
Hogmire, J. O.	7	3
Hoke, D.	528	325
Hoke, F. P.	677	386
Holbrook, F., Nowe, J. A. and Nourse, J.	941	581
" " (R)	941	581
Holbrook, F. F. and Moulton, E. S.	971	594
" " " " (R)	972	594
Holland, J. J.	426	260
Holley, J. P.	970	593
Holloway, P.	631	364
Holt, W.	215	130
Holt, R. C.	215	130
Holton, G. W.	73	53
Homrighouse, L.	781	511
Hood, J. R.	217	131
Hood, B. R.	845	539
Hoover, W. U.	571	341
Hope, J. D.	995	619
Hopkins, G. E.	796	515
Horney, S. Jr.	519	323
Houghton, I.	23	17
House, J. L.	332	197
House, J. L.	333	197
Houston, J. D.	207	125
Hovis, J. T.	81	55
Hovis, J. T.	129	80
Howard, J. R.	252	149
Howard, J. W.	1079	656
Howe, G. W.	950	584
Howe, J. A.	976	596
Howell, M. A. Jr.	445	576
Howell, J., W. D. and Sipe, J.	517	322
Howell, W. T.	862	545
Hoxie, H. S.	119	77
Hoxie, H. S	129	80

	Plate	Claim
Hoyt, O. W.	359	215
Hoyt, B. C.	721	469
" " (A. I.)	721	469
Hubbard, D. C.	842	539
Hubbell, M.	102	65
Hubbell, M. R.	955	586
Huber, S.	158	94
Huber, S.	632	365
Hubley, H. H.	623	360
Hudgson, I.	442	275
Huff, E. S.	412	247
Huffer, I.	819	524
Huggins, J. S	848	540
Hughes, D. W.	123	78
Hughes, D. W.	140	85
Hughes, D. W.	163	97
Hughes, J. L.	251	148
Hughes, A. S.	455	281
Hughes, W. J.	1093	670
Hughes, D. W.	1096	671
Hulbert, S.	528	325
Hulbert, S.	569	340
Hulbert, S.	462	292
" " (R)	462	291
Hull, N.	505	318
Hummer, H. A.	552	333
Humphrey, D. F.	422	259
Humphrey, D. F.	542	330
Humphreys, J. W.	326	195
Humphreys, J. W.	328	195
Hunt, F. B.	32	21
Hunt, F. B.	164	97
Hunt, L.	575	342
Hunt, J. Y.	921	573
Hunter, W. L and Gardner, A.	518	322
Hunter, C. E.	645	370
Hunter, J. T. and Mitchell, D. L.	1078	656
Hunting, C. B.	114	74
Huntington, W. S.	44	35
Huntsman, H.	166	98
Hurd, J. B.	823	526
Hussey, R. and Thornburgh, U. Sr.	436	273
Huchinson, T.	308	187
Hutson, E.	247	146
Hyde, W. B.	324	193
Hyde, W. B.	785	512
Hyde, O.	1023	630
Hyde, O.	1027	631
Ihringer, A.	881	552
Ingalls, A. P.	572	341
Ingersoll, C. B.	525	324
Ingraham, H.	70	52
Iverson, L. L.	952	585
Ivey, W. D.	341	209
Iwan, H. and L.	98	63
Jackson, C. L.	76	54
Jackson, W. B., Childs, J. M. and O. J.	82	56
Jackson, G. H.	354	213
Jacobs, J.	497	314
Jacobus, P. and Ambrose, D. R.	6	3
Jacobus, P. and Ambrose, D. R.	6	2
James, S. T.	898	558
Jameson, J.	45	35
Jaques, A. C.	569	340
Jarrard, D. H.	884	553
Jarrell, E.	148	88
Jarrell, W.	278	170
" "	538	328
Jarrell, J.	1084	658
Jarvis, C.	373	228
Jefferson, S. A.	216	130
Jefferson, T. E.	649	372
" " "	731	473
Jenkins, C. S.	162	96
Jenkins, C. W.	709	456
Jenkins, W. F. and C. W.	711	457
Jennings, W. A.	99	64
Jennings, A.	347	211
Jennings, G.	350	212
Jennings, F. C.	648	371
Jennings, W. A.	883	552
Jennings, E.	944	582
Jerauld, H. F.	77	54
Jerauld, H. F. and Stolle, J. W.	93	61
Jerome, H. R.	434	273
Jester, A. E.	884	553
Jett, J. R. P.	473	295
Jewett, B. F.	504	318
Jinkins. J. E.	562	337
Johnson, J. A.	5	2
Johnson, J. A.	33	21
Johnson, D. M.	93	60
Johnson, W. F.	204	124
Johnson, W. J.	225	134
Johnson, D. M.	229	136
Johnson, J. J.	248	147
Johnson, R. A.	287	173
Johnson, R. A.	288	173
Johnson, R. A.	288	173
Johnson, C. H.	381	231
Johnson, M.	395	235
Johnson, M.	397	236
Johnson, M.	397	236
Johnson, M.	398	236
Johnson, B.	497	314
Johnson, J.	513	320
Johnson, A. W.	624	361
Johnson, W. S.	652	374
Johnson, R.	724	469
Johnson, F.	731	473
Johnson, M.	780	510
Johnson H. M.	753	499
Johnson, J.	765	503
Johnson, J. G.	777	509
Johnson, W. H.	846	540
" " " (A. I.)	847	540
Johnson, W. and Ranney, M.	876	550
Johnson, W. O.	907	561
Johnson, C. F., Jr.	1013	626
Johnson, R.	1069	653
Johnson, J. H.	1072	654
Johnson, R.	1074	655
Johnson, R.	1075	655
Johnston, J. S.	124	79
Johnston, J. S.	138	84
Johnston, C.	824	527
Jones, D.	136	83
Jones, E. P. and Harrell, J. L.	275	169
Jones, W. G.	386	232
Jones, S. F.	437	274
Jones, S. F.	446	277
Jones, W. T.	532	327
Jones, R.	543	330
Jones, M. R.	590	348
Jones, H.	611	355
Jones, T. B.	637	367
Jones, T. F.	665	380
Jones, J. G.	788	513
Jones, H. and Yard, W. K.	790	514
Jones, T. F.	870	548
Jones, W.	933	577
Jones, J. W.	941	581
Jones, E. C.	999	620
Jones, J.	1001	621
Jones, M. R.	1065	651
Jones, B. F.	1084	658
Jordan, W. T.	873	549
Jordan, J. W.	922	574
Jordan, J. W.	923	574
Jordon, D. C.	371	227
Jory, J. W.	678	387
Joyner, L. B.	204	124
Joynes, R. F.	372	227
Judd, J. L.	664	380
Judd, N. T.	781	511
Judson, A. C.	582	345
Julier, E.	533	327
Kagarice, E. R.	81	55
Karr, A. M.	443	275
Karsner, I.	328	196
Kaufman, A.	82	56
Kazar, L.	443	276
Kearney, B. S.	988	608
Kee, C. T.	602	352
Keech, J.	68	51
Keefer, F.	375	229
Keeler, G. W.	863	546
Keith, H. M.	126	79
Keith, H. M.	127	80
Keith, H. M.	130	81
Keith, A. M.	203	124
Kellogg, A. A.	164	97
Kellogg, A. B.	614	357
Kellogg, K.	679	387
Kellogg, H.	999	620
Kelly, J. and Hennis, W. H.	322	192
Kelly, R. A.	349	212
Kelly, W. C.	401	238
Kelly, W. W.	400	238
Kelly, E.	496	314
Kemper, B.	13	6
Kendall, F. B.	361	216
Kennedy, W. G., Preston, L. Z., Morand, F. A. and Kennedy, E. H.	10	4
Kennedy, D. A.	92	60
Kennedy, I.	471	294
Kennedy, J. T.	481	298
Kennedy, M.	597	350
Kennedy, I.	725	470
Kennedy, M.	856	543
Kennedy, A. L.	1022	630
Kennedy, R. V.	1099	672
Kent, E. H.	775	508
Kern, I. R.	626	362
Kern, I. R.	633	365
Kerns, H. O.	679	387
Kerr, C B.	700	463
Kersh, A. J.	164	97
Kersh, T. E.	887	553
Kershner, T. A.	797	516
Kessler, P.	659	377
Kessler, P.	669	382
Kessler, P.	711	457
Kettenring, P.	165	98
Keys, M. H.	255	151
Kidd, I. J.	212	128
Kidd, I. J.	212	129
Kidder, N.	308	187
Kidder, W. B.	356	214
Kidwell, G. W.	76	54
Killam, H.	580	345
Killefer, J.	714	458
Kilmer, J.	1089	669
Kilmer, J.	1090	669
King, D. H. and Hulse, W. M.	83	56
King, A. B.	89	58
King, J. R.	265	166
King, A. B.	353	213
King, R. J.	836	537
King, S. B.	871	548
Kingsland, G.	398	237
Kinney, J.	357	214
Kinney, H. R.	533	327
Kinstler, J.	653	374

	Plate	Claim
Kirkham, M.	346	210
Kirkman, D. J. and Gray, E. H.	1064	651
Kirkpatrick, G. O. and A.	333	198
Kirkpatrick, A.	341	211
Kirksey, J. K.	894	556
Killough, W. B.	233	138
Kimplen, C.	27	18
Kinney, W.	92	60
Kirtley, F. L.	212	129
Kline, C. B.	452	279
Klineline, J. W.	653	374
Klingle, P.	1000	621
" " (A. I.)	1001	621
Kloss, R.	167	99
Knapp, R. I.	955	586
Knapp, K. I.	976	596
Knapp, J. G.	1020	659
Knight, E. R.	477	296
Kniphals, H.	698	452
Knoblock, J. C. and Bissell, T. M.	146	87
Knox, S. A.	463	292
Knox, S. A.	961	589
Koffend, J.	424	260
Konig, J.	974	595
Koppenheffer, C.	643	369
Krake, J. A.	1065	651
Kring, H. O.	361	216
Krog, H., Sr.	622	360
Kuenzel, J.	612	356
Kyle, I. N.	818	524
Lacy, John, and Watkins, George,	1	1
Laflin, M. and Slosson, E.	472	295
Lahman, W.	84	56
Lamar, M. B.	219	131
Lamb, D. M.	1076	655
Landon. T. R.	283	172
Lane, J.	121	78
Lane, M. W.	132	81
Lane, J.	151	90
Lane, J.	157	93
Lane, Joseph,	157	93
Lane, J.	439	274
Lane, J.	470	294
Lane, J.	472	295
Lane, J. Jr.	526	325
Lane, J.	591	348
" " (R)	591	349
Lane, J. Jr.	593	349
" " (R)	593	349
Lane, J.	618	358
Lane, J.	645	370
Lane, J.	645	370
Lane, J.	648	372
Lane, J.	698	452
Lane, J.	699	452
Lane, J.	701	453
Lane, D. H.	803	518
Lane, J.	904	560
Lane, J.	986	607
Langdon, B.	835	537
Lannay, E.	355	214
Lape, W.	540	329
Lash, J. S.	65	50
Latimer, J. B.	79	54
Lattimer, J.	261	165
Lauer, A. and Hartmann, J.	635	366
" " " " (R)	633	366
Laughlin, J. L.	413	247
Laughlin, J. L.	608	354
Lawrence, W. S.	137	83
Lawrence, W. S.	138	84
Lawrence. W. S.	141	85
Lawrence, W. S.	145	87
Lawrence. W. S.	636	366
Lawrie, J	906	561
Layman, J.	215	321
Leach, S. J.	468	293
Leach, S. J.	604	353
Leatherman, P. R.	215	130
Lecq, P. O.	239	141
Lee, L.	238	141
Lee, C. J.	242	143
Lee, T. J.	282	171
Lee, Joel	435	273
Lee, W. A.	677	386
Lee, H. A.	703	453
Lee, E. D. and Z. W.	844	539
Lee, Z. W. and E. D.	850	541
Lee, J. A.s	398	236
Legg, L. W. and E. D.	929	576
Leland, A.	515	321
Leonard, J. M.	127	80
Leonard, J. M.	128	80
Leonard, G. W.	944	582
Leonard, J. C. and Gobar, J. I.	106	652
Leonhard, F. A.	220	131
Leslie, B. J.	971	593
Levoy, W. E.	937	579
Lewis, J. W.	122	78
Lewis, D. P.	208	126
Lewis, C C.	474	295
Lewis, J. W.	553	334
Liles, L. W.	636	366
Lindahl, D.	992	609
Lindley, N. H.	379	230
Lindley, N. H.	383	232
Lindsey, J. E.	247	146
Lindsey, H.	289	174
Ling, L.	646	371
Lilse, J. B.	253	150
Locher, C.	1016	628
Locke, D.	801	517
Lockhart, T. S. and J. A.	537	328
Locklin, N.	499	316
Lockwood, N.S. and Winn, J. D.	523	324
Loeb, P.	987	607
Long, J.	112	73
Long, J.	479	297
Long, J.	509	319
Long, J.	574	342
Long, J.	711	457
Looker, J. M.	478	296
Loomis, G. D,	152	60
Lostuter, W. C and Wolcott, S.	342	209
Love, S. M.	242	145
Love, W. W.	867	547
Love, J.	1078	656
Loveless, J. W.	349	212
Lovell, S. M.	141	85
Lowden, F. M. and J. D.	353	213
Lowe, J.	345	210
Lowe, J. W.	611	356
Lowe, L. J.	1085	658
Lucas, J. S.	396	235
Lucas, D. T.	452	279
Luce, W. H.	857	543
Lufkin, C. M.	933	578
Lufkin, C. M.	935	578
Lufkin, C. M.	965	591
Lugenbell, P. and Armstrong, J. S.	309	188
Lutz, J. A.	216	130
Lynch, G. F.	775	508
Lynn, M. N.	1021	629
Lynn, M. N.	1025	631
Lyon, G. C.	138	84
Lyon, J. M. P.	274	169
Lyon, H. L.	287	173
Lyons, J. B.	868	548
Lytch, J.	273	168
McAllister, J. W. and Pofenberger, J. C.	322	192
McCabe, J.	954	586
McCall, E. R.	98	63
McCall, E. R.	99	63
McCaskill, J. C.	250	148
McCaughan, C. A.	208	126
McChesney, T. B.	187	112
McClaugherty, W. H.	230	136
McClurkin, J. C.	330	196
McClung, R. L.	231	137
McCollam, A.	78	54
McCollum, J.	1060	650
McConaughey, T. B.	343	210
McConaughy, T.	841	538
McCool, W. C.	608	345
McCormick, J. R.	233	138
McCormick, S.	492	309
McCormick, S.	493	311
" " (R)	493	311
McCormick, S.	501	316
McCormick, C. H.	921	573
McCracken, W.	208	126
McCray, T. H.	813	522
McCray, T. H.	1036	635
McCray, T. H	1036	635
McCullers, M. C.	847	540
McCullers, M. C.	850	541
McCulloch, J. L.	394	235
McCune, W. H.	623	360
McDaniel, G. W.	897	557
McDonald, T. E.	776	508
McDonald, P. J.	1028	631
McDonel, G. H., Thorn, J. and Ewing, S.	1096	671
McDonell, A. S.	787	513
McDowell, M.	28	19
McGaughey, A. E. and S. N.	1003	622
McGaughey, A. E.	1027	631
McGregor, Wm.	149	89
Machin, T. N.	87	58
McIntire, A. L.	708	456
Mack, D.	389	233
McKesson, E.	934	578
McKiney, H.	80	55
McKinley, J.	552	333
McKinley, R.	787	512
McKinnon, K.	228	135
McKinnon, K.	1079	656
McKinnon, K.	1081	657
McLean, J. W.	1003	622
McLeary, A. C.	359	215
McMahen, A. A.	1058	649
McMeekin, T. G. W. and Hunt, W. W.	231	137
McMeekin, F. M.	604	353
McMeekin, F. W.	985	607
McMillan, J. W.	238	141
McMillen, R.	504	318
McMullen. L. S.	254	151
McMurry, C. W.	284	172
McNair, T. F.	896	557
McNair, T. F.	904	560
McNeal, J. A.	32	21
McNutt, J. C. and Furman, A. B.	579	344
" " " " (R)	580	344
Macomber, T. S.	953	585
McRae, R.	282	171
McWane, C. P.	647	371
Maddux, T. B.	481	298
Mahoney, J. W.	641	368
Mallon, J.	802	518
Maloy, D. H.	853	542
Mangham, J. T.	1082	657
Mann, J. H.	13	6
Mann, H. F.	539	329
Mann, D.	760	502
Mann, A S.	877	550

	Plate	Claim
Manning, A. L.	897	557
Manning, A. L.	1081	657
Manny, A. J.	159	94
Manny, A. J.	166	98
Manny, P.	1056	649
Manuel, D. A.	939	580
Manuel, D. A.	940	580
Manwaring K. W.	139	84
Manwaring, K. W.	155	93
Manwaring, K. W.	159	94
Manwaring, K. W.	160	95
Marable, T. E.	119	77
Marable, T. E.	226	134
March, S.	269	167
March, S.	270	167
March, T.	468	293
March, S.	858	544
Marcus, T.	183	111
Marquis, J.	1016	628
Marquiss, A. E. C. and Emerson, C.	429	271
Marsh, G. W.	3	1
Marsh, 2nd C.	217	131
Marsh, 2nd C.	218	131
Marsh, 2nd C.	277	169
Marsh, 2nd C.	277	170
Marsh, 2nd C.	607	354
Marsh, W.	390	234
Marsh, J. S.	467	293
Marshall, S. M. and Coburn, J. W.	369	227
Marshall, H.	863	546
Martin, E. C.	307	187
Martin, J. H. and Bradshaw, C. D.	319	191
Martin, A. T., Jr.	359	215
Martin, H. A.	552	333
Martin, J.	647	371
Martin, H. D.	724	469
Martin, A. D.	745	487
Martin, L.	801	517
Martin, J. M., Jr.	897	558
Martin, L. V. B.	1071	654
Martin, W. J.	1091	669
Maschka, A.	696	451
Mason, J. R.	422	259
Mason, T. J.	744	487
Massee, D. W.	252	149
Masson, J.	667	381
Masters, Wm.	96	62
Masters, B. F.	122	78
Mathes, W. McC.	798	516
Mathews, W. L.	29	19
Matteson, D. C. and Williamson, T. P.	136	83
Matteson, D. C. and Williamson, T. P.	475	295
Matteson, D. C. and Williamson, T. P.	555	334
" " " (R)	555	334
" " " (R)	555	335
Matthews, E.G.	72	52
Matthews, E. G.	121	78
Matthews, E. G.	125	79
Matthews, E. T.	222	132
Matthews, E. G.	381	231
Matthews, E. G.	568	340
Matthews, J. M.	654	374
Matthews, E. G.	938	580
Matthews, E. G.	943	582
Matthews, E. G.	946	583
Matthews, E. G.	959	588
Matthews, E. G.	959	592
Mathis, J. T. and Harrison, G. W.	1070	653
Mattoon, A. B.	47	36
Mattox, T. T.	1069	653
Maxwell, D. N.	326	194
Mays, W. L. and Tigrett, A. B.	395	235
May, H. H.	461	291
May, J. M.	462	291
May, H. H.	512	320
May, J. M.	512	320
May, E.	665	380
Mead, S.	465	292
Mead, S.	989	608
Meagher, E. D.	671	383
Mears, W. R.	768	504
Meech, C. L.	63	49
Meggs, H. P.	289	173
Meggs, H. P.	362	216
Meikle, T.	150	89
Meikle, T. and Coleman, B.	652	374
Meikle, T.	667	381
Meikle, T.	996	608
Meixell, G. W.	745	487
Melancon, E. D. and Ayrand, J. H., Sr.	668	381
Mell, J. B.	838	538
Mellon, W H.	145	87
Mendenhall, W. D.	558	335
Meritt, R. C.	667	381
Merk, M.	930	576
Meroney, T. J.	6	3
Merrill, F. C.	86	57
Metcalf, W. W.	39	33
Mettler, J. I.	449	278
Mettler, W. J. and J. I.	453	280
Mettler, J. I. and W. J.	454	280
Mettler, J. I. and W. J.	454	280
Metz, S. P. and Rohrer, M.	184	111
Mickle, J. G. and Dearring, F. F.	230	137
Middlebrooks, J.	206	125
Middleditch, J.	621	360
Miles, J. and E. P.	44	35
Miles, J. and E. P.	47	36
Miles, W. A.	417	249
Miles, O. E.	819	225
Miles, E. M.	820	525
Milholen, W. L.	267	166
Millen, W. H. H.	1006	623
Miller, S. H.	26	18
Miller, R. J.	79	54
Miller, J. G.	87	57
Miller, L. and Lighthall, H.	160	95
Miller, J. T.	310	188
Miller, E. and B.	341	209
Miller, S. J. and Wright, L.	347	211
Miller, A.	433	272
Miller, J. C., Clemens, S. A. and G. H.	436	273
Miller, A.	437	274
Miller, A.	447	277
Miller, W. D.	471	294
Miller, T.	494	312
" " (R)	494	512
Miller, T.	499	316
Miller, P. G.	633	365
Miller, G. C. and Henry, R.	932	577
Miller, H.	1026	631
Milliron, G.	273	168
Milroy, J. W.	571	341
Milroy, J. W.	773	507
Milroy, J. W.	786	512
Mims, M. and S. J.	835	537
Miner, J. G.	1074	655
Miner, J. G.	1075	655
Minor, J. O.	617	358
Mitchel, J. F.	97	63
Mitchell, R. B.	149	89
Mitchell, J. D.	229	136
Mitchell, J. H.	265	166
Mitchell, H.	545	331
Mitchell, J. J.	610	555
Mitchell, D. L. H.	613	356
Mitchell, J. J.	877	550
Mock, C. F.	676	386
Moeser, H.	999	620
Moltrup, J. C.	24	17
Monaghan, P.	204	124
Monical, J. W.	348	211
Monroe, I. N.	185	112
Monroe, J. H.	989	608
Moody, L.	776	508
Moon, W. S.	890	555
Moore, A. and, Wendel, F.	3	1
Moore, G.	142	85
Moore, J. A.	186	112
Moore, J.	236	139
Moore, J. A.	245	145
Moore, W. E.	348	211
Moore, D. O. and Reid, F.	354	213
Moore, J. A.	411	247
Moore, G. H.	465	292
Moore, G.	467	293
Moore, J.	507	319
Moore, J. B.	508	319
Moore, G.	564	338
Moore, G.	630	364
Moore, E.	844	539
Moore, A. N.	862	545
Moore, T. M.	886	553
Moore, T. M.	893	555
Moorers, J.	510	319
Morgan, L. B.	415	248
Morrel, A. H.	200	123
Morrill, J. W.	305	186
Morris, D. and Speirs, H.	167	99
Morris, D.	586	347
Morris, J. R.	782	511
Morris, B. F.	961	589
Morrison, J. B.	88	58
Morrison, J.	437	274
Morrison, W.	517	322
Morrison, W.	541	330
Morrison, S. D., D. A. and J. B.	596	350
" " " " (R)	596	350
Morton, E. H.	447	277
Mosely, D.	218	131
Mosher, W. H.	394	235
Mosher, I. and Eddy, W.	854	542
" " " " (R)	855	542
Moss, C. L.	906	261
Mott, J.	935	578
Mott, J	935	578
Mowry, A. J. and Chance, H.	1094	670
Moyers, J. M. and G. W.	598	351
Muir, A.	139	84
Mullens, W.	237	140
Munson, J. D.	1097	671
Murfee, J. W.	1068	653
" " (R)	1069	653
Murfee, J. W.	1070	654
Murfee, J. W.	1071	654
Murphy, E. B. and Bramell, C. D.	360	215
Myers, I. L.	97	63
Myers, S.	506	318
Myers, C.	619	359
Myers, C.	632	364
Myers, C.	703	453
Myers, D.	769	505
Myers, C. and Gummow, W.	1077	656
Nabers, T.	1076	655
Nance, A. P.	250	148
Napier, J.	81	55
Nash, C.	133	82
Nash, J.	492	310
Nash, J.	507	319

	Plate	Claim
Nason, C. O.	84	56
Neal, W S.	240	142
Nearn, M. L.	224	134
Necker, C.	101	64
Neely, B. F.	355	214
Neely, B. F.	357	214
Neff, J. Jr.	955	586
Nellis, A. J.	30	20
Nelson, E. H.	224	133
Nelson, D.	696	451
Nevil, G. W.	450	278
Nevison, J. and E.	430	271
Newbold, C.	491	309
Newbold, C.	491	309
Newcomb, T. and Byrd, G. W.	204	124
Newcomb, D. H. B.	927	576
Newhart, J.	71	52
Newsom, A.	890	555
Newsom, G. S.	780	510
Newsom, A.	897	557
Newsom, I. V.	904	560
Newton, R.	123	78
Newton, J. R.	283	171
Newton, R.	1095	670
Nichols, J. R.	134	82
Nichols, J. B.	240	142
Nichols, W. A.	312	199
Nichols, W. T.	799	517
Nichols, W. D. and Clark, N. W.	1065	652
Nicholson, W.	530	326
Nisbett, S.	494	312
Nitschman, F.	644	370
Nitschman, F.	671	383
Noble, H. T.	93	60
Noble, H. T.	153	91
Noble, W.	726	471
Noftz, C. F.	864	546
Nolte, H.	867	547
Norris, J. B.	50	37
Norris, J. B.	609	355
Norris, J. B., Bowers, M. M. and Dimmock, W. C.	619	358
Northcott, J. H.	1018	629
Northcutt, E. W.	254	150
Norton, J. B.	500	316
Norton, H.	694	450
Norton, H. L.	721	469
Notman, W.	744	486
Notman, G.	744	487
Nott, G. G.	160	95
Nourse, J. and Howe, J. A.	88	58
Nourse, J.	960	588
Nourse, J. and Howe, J. A.	962	589
Nourse, J. and Howe, J. A.	966	591
Nusbaum, A. B. C.	779	510
O'Bryan, C. and Kreps, H.	854	542
" " " " (R)	854	542
O'Callaghan, J. D.	396	235
O'Callahan, J. D.	382	231
O'Connor, P. and Collins, M.	313	189
Odell, J. K. and Little, W. S.	589	348
Ogle, W.	506	318
Oldendorph, H. and J.	156	93
Oldendorph, J., Jr.	644	369
Oliver, J.	142	86
Oliver, J.	592	349
Oliver, J.	600	351
Oliver, J.	608	354
" " (R)	608	354
Oliver, J.	632	364
Oliver, J.	712	457
Oliver, J.	713	457
Oliver, J.	714	458
Olmstead, S. J.	422	259
Olmstead, S. J.	411	247
Olmstead, S. J.	466	293
Olmsted, O. A.	1032	633
Olson, J. A.	60	59
Olson, H.	618	358
O'Neill, W.	931	577
O'Neill, W.	844	539
O'Neill, W.	866	547
Opp, H.	425	260
Ormiston, J.	501	317
Ormiston, J.	514	321
Ormiston, J.	525	324
Ormond, M.	623	360
Orrick, N. C.	665	380
Orrick, N. C.	898	558
Osborn, O.	578	344
Osborn, O.	589	348
Osburn, A. and Wulzen, E.	1091	669
Otis, E. G.	998	620
Overshiner, G. J.	627	362
Owen, L. B.	255	151
Owen, E.	303	185
Oxenford, J.	148	88
Page, G.	721	469
Pagett, W. F. and Gard, S. H.	382	231
Pagett, W. F.	578	344
Pagett, W. C.	835	537
Pagett, W. F.	837	537
Pagett, W. C.	1055	649
Paine, H. E.	1015	627
Painter, W.	636	366
Palamountain, I. B.	844	539
Palm, J. H.	101	64
Palmer, E. A.	65	49
Palmer, L. E.	561	337
Palmer, N.	731	473
Palmer, N.	731	473
Palmer, N.	803	518
Parish, E. and W., Jr.	439	274
Parish, G. W.	886	553
Parker, W. T.	222	132
Parker, C. A. and G. R.	392	234
Parker, J.	555	334
Parker, W. F.	872	549
Parker, T. and Downing, J.	956	587
Parker, T.	953	585
Parker, E. T.	1055	649
Parlett, J. A. and Thompson, J.	539	329
Parmley, E. L.	746	487
Parrish, W.	601	352
Parsons, J. W.	248	147
Parsons, W. W.	951	585
Patery, J. P.	662	379
Pates, T.	152	90
Patterson, J. A. B.	46	36
Patterson, J. D.	251	148
Pattillo, R. M.	878	551
Patton, W. G.	243	143
Paul, D. H.	47	36
Paullin, P. E.	12	6
Payne, J M.	475	295
Peacock, G.	474	295
Peacock, A. and S.	521	323
Peck, J. D.	2	1
Peck, E.	25	18
Peck, E.	754	500
Pedrick, R. R.	808	521
Peek, J. A.	677	386
Peek, J. A.	704	454
Peek, S. T.	845	538
Peel, L. G.	865	546
Peet, W. R.	326	194
Peet, R.	558	335
Pelsor, P. D. and H. C.	798	516
Penning, M.	567	339
Pentreath, J.	628	363
Perceful, Z. R.	1086	659
Perfater, G. S.	120	77
Perkins, E. H. and S. D.	284	172
Perkins, W. M.	309	188
Perkins, C. D.	387	233
Perry, G L.	358	214
Perry, S.	857	543
Peters, D. and Pauly, J. W.	556	335
Peterson, A.	326	194
Peterson, G. W.	633	365
Peterson, G. W.	966	591
Petitjean, F. J.	880	551
Pettengill, C. B.	945	583
Petticrew, D.	377	229
Pettit, J. P.	723	469
Pfeil, J. C.	118	76
" " " (R)	118	76
Pfouts, L. S.	680	387
Phillips, B. F.	53	38
Phillips, O. F.	637	367
Phillips, O. F.	646	371
Phillips, O. F.	880	551
Phillips, J.	988	608
Piatt, J. J.	639	367
Pierce, W.	317	190
Pierpont, J.	146	88
Pierpont, J, Tuttle, S. S. and Thomkins, C. B.	394	235
Pierpont, J.	546	332
Piland, A. H.	884	552
Pinkham, J.	128	80
Pinkham, J.	131	81
Pinney, N. G.	665	380
Pinney, N. G.	706	455
Pirch, A.	327	194
Pirkle, W. J.	1086	659
Pirrung, G.	821	525
Pitcher, L. B.	117	76
Pitcher, R. L. and Elwood, R.	120	77
Pitkin, J. H.	789	513
Pitts, H. W.	199	123
Pitts, W. C.	465	292
Pitts, J. M.	902	559
Place, J. B.	50	37
Plank, J.	499	316
Platt, N.	547	332
Platt, H. M.	755	500
Poindexter, F.	949	584
Polen, C. W.	399	237
Pollock, J.	479	297
Pomeroy, H. A. G. and Hudson, R. F.	759	501
Pond, J. N.	344	210
Pool, W. R.	867	547
Pool, Wm. R.	884	552
Pope, S. W.	78	54
Pope, S. W.	413	247
Pope, S. W.	627	362
Pope, S. W.	872	548
Pope, S. W.	986	607
Porter, J. F. F.	145	87
Porter, R. D.	874	549
Porter, A. A.	1084	658
Posey, J.	639	367
Post, J. W.	692	450
Potter, M.	134	82
Potter, S. T. W.	308	187
Potter, J. C.	414	247
Poundstone, C. N.	86	57
Poundstone, C. N.	786	512
Powell A. G.	221	132
Powers, J. W.	96	62
Powers, J. W.	99	64
Prairie, J. P.	239	141
Pratt, I. C.	439	274
Pratt, C. A.	732	473

	Plate	Claim
Prentiss, S. and Flint, G.	572	341
Prentiss, M	861	545
Preston, A. A.	28	19
Preston, A.	530	326
Preston, J.	877	550
Preston, J.	888	554
Price, Levi.	9	4
Price, W.	200	123
Price, W.	222	132
Price, J. F.	235	139
Price, W.	606	353
Price, W.	838	337
Price, J. A.	885	553
Price, B.	935	578
Prillaman, M.	75	53
Prillaman, M.	78	54
Primmer, R. M.	321	192
Prindle, R. B.	66	50
Pritchard, J. P.	943	582
Prouty, D. and Mears, J.	498	315
Prouty, D. and Mears, J.	502	317
Prouty, D. and Mears, J.	504	318
Prouty, D.	513	320
Prunelle, R. H.	220	132
Prutzman, J. P., J. E. and McIntire, J. P.	626	362
Puckett, K.	208	127
Pugh, J. L.	285	172
Pullman, J. B.	1068	653
Purefoy, A. F.	674	384
Putnam, T. E.	601	352
Pykiet, G. F.	127	80
Pyle, I. N.	357	214
Query, E. M.	1070	654
Quick, J. A.	725	470
Quigley, T. B.	507	319
Quigly, T. B. and Hall, H.	511	320
Quimby, W. F.	760	502
Quimby, W. F. and Lobdell, G. G.	762	502
Quimby, W. F. and Lobdell, G. G.	770	505
Quin, J.	482	298
Quin, J.	676	386
Rabb, W. S.	865	547
Rabb, W. S.	942	582
Raftery, J. T.	413	247
Railey, J. A.	330	196
Rains, W. O.	254	150
Rakestraw, Y.	571	341
Rall, W.	601	352
Ramage, J. O.	841	538
Rams, T.	697	451
Ramsay, G. M.	997	620
Ramsay, G. M.	1003	622
Randolph, J. H. Jr.	787	512
Rankin, I. N.	1059	650
Rappelye, T. S. and T.W.	1061	650
Rarick, B. F., W. P. and J.	1097	671
Rawls, J. G.	243	144
Ready, W. B.	706	455
Ream, G. W.	588	348
Reams, C. F.	222	133
Reancy, W.	529	326
Reasin, J. F.	39	33
Rector, H. T.	53	38
Redman, J.	1097	671
Redmond, O.	1014	626
Reed, S. J.	347	211
Reed, J. E.	385	232
Reed, S.	392	324
Reed, J. W.	605	353
Reed, L. M.	699	452
Reeder, A.	41	33
Reedy, J.	345	210
Reese, F.	81	55
Reese, F.	271	168
Reese, E.	425	260
Reese, G. and P.	644	369
Reese, F.	1078	656
Reich, J.	634	366
Reid, W. G.	895	556
Renak, F.	612	356
Revercomb, J.	694	450
Reynolds, E. D. and O. B.	163	96
Reynolds, J.	271	168
Reynolds, J.	272	168
Reynolds, E. D. and O. B.	377	230
Reynolds, S. H.	451	279
Reynolds, I.	521	323
Reynols, I.	693	450
Reynolds, S. G.	730	472
Reynolds, F. F.	858	544
" " (R)	858	544
Reynolds, J.	1007	623
Reynolds, S. G	1010	625
Reynolds, T. H.	1074	655
Rhoades, A. and Tash, W.	4	2
Rhodes, D.	68	51
Rhodes, M. G. and Skaggs, J. M.	848	540
Rice, E. S.	117	76
Rice, G. W.	268	167
Rice, F., Apple, A. and M.	818	524
Rich, J.	516	324
Rich, J.	524	324
Rich, J. and M.	890	554
Rich, M.	923	574
Richard, A.	670	382
Richards, M. and Vandegrift, J.	554	334
" " " " (R)	554	334
Richards, M.	124	79
Richards, J. M.	286	173
Richards, H. G.	323	193
Richards, W.	902	559
Richardson, L. W.	473	295
Richardson, W. C. B.	794	515
Richardson, T. E.	837	537
Richardson, D. C.	861	545
Richardson, L. B.	1093	670
Richter, C. F.	849	540
Rick, F.	143	86
Rickard, A.	26	18
Rickard, L.	314	189
Rickard, A.	875	549
Rider, L. P.	467	293
Rider, L. P.	474	295
Rider, Z.	1025	631
Ridley, H. A.	901	559
Rigby, A.	1083	658
Rigell, M. and Ivey, W. D.	342	209
Riggle, M.	354	214
Riggle, T.	582	345
Riggan, J. H.	641	369
Riley, S.	866	547
Ringen, G.	563	338
Ringen, G.	620	359
Rittenhouse, D. G.	272	168
Rivers, A. W. L.	851	541
Riviere, A.	878	551
Roach, L	755	500
Robb, J.	693	450
Robb, D.	925	575
Robbins, P. D.	228	135
Robbins, D. F. and Morrison, S.	432	272
Robarts, J. L.	422	259
Roberts, W.	183	111
Roberts, A. F.	224	133
Roberts, G. W.	256	152
Robers. J. W.	320	192
Roberts, S. J.	510	320
Roberts, M. L.	725	470
Roberts. E. B.	773	507
Roberts, A. F.	1072	654
Robertson, T. A.	264	166
Robertson, T. A.	840	538
Robinson, J.	25	17
Robinson, C.	90	59
Robinson, C.	93	61
Robinson, J. G.	121	78
Robinson, J. A.	369	227
Robinson, N.	497	314
Robinson, N.	579	344
Robinson, J. S. and E. C.	658	376
Robinson, J. S. and E. C.	670	383
Robinson, G.	1068	633
Rockwood, L. O.	557	335
Roden, A.	536	328
Roden, A.	879	551
Rodgers, W.	3	1
Rodgers, N.	852	541
Rodman, J. M.	1060	650
Rogers, J. T.	102	65
Rogers, H. D.	539	329
Rogers, H. D.	695	451
Roland, H. W. and Forbis, E.	432	272
Roles, R.	584	346
Romaine, R.	997	619
Ronat, L.	939	580
Roney, G. W.	845	540
Roop, J.	1079	656
Rorabaugh, J.	924	575
Rose, M. P.	595	350
Rose, R. E.	1039	636
Ross, M.	620	359
Ross, M.	645	370
Ross, M.	674	384
Ross, A. M.	163	96
Ross, A. W.	390	233
Ross, P. A.	862	545
Rouse, B. C.	423	260
Rouse, T.	797	516
Routt, A. P.	305	186
Routt, A. P.	448	277
Rowell, G. D.	142	78
Roys, J. S.	390	324
Royse, P. E.	752	499
Rubsam, J. B.	360	215
Ruch, G. W.	610	355
Ruch, J.	633	365
Ruddasill, M. E.	247	146
Rue, N.	384	232
Rue, G. W.	388	233
Ruggles, C. F.	384	232
Ruhlmann, E.	398	236
Ruhlmann, E.	399	237
Rulofson, I.	529	326
" " (R)	530	326
Rulofson, I. and DeGarmo, D.	539	393
Rumfelt, H. W.	225	134
Runstetler, A. and Windeck, A.	211	128
Runyon, J. and Ingersoll, G.	122	78
Runyon, J.	133	82
Russell, D.	753	499
Russell, G. W.	1092	669
Rust, R.	389	233
Ryan, J. F.	990	608
Sackett, C. E.	12	6
Sackett, C. E.	802	518
Sackett, C. E.	804	519
Sackett, C. E.	805	520
Sackett, C. E.	806	520
Sackett, C. E.	807	520
Sackett, C. E.	808	521
Sackett, C. E.	811	522
Sackett, C. E.	814	523
St. John, G. B.	161	95
St. John, C.	553	334
St. John G. B. and Under-		

	Plate	Claim
wood, J. R.	810	522
Saladee, C. W. and Simpson, T.	696	451
Saladee, C. W.	1008	624
Salsbury, G. M. and, G. S.	544	331
Salvesen, V.	331	197
Sample, J. R.	621	359
Sanborn, A.	82	55
Sanborn, A.	932	577
Sanborn, A.	948	584
Sanders E. A.	94	61
Sanders, E. A.	146	87
Sanders, W. M.	232	138
Sanders, N.	671	383
Sandiford, R.	71	52
Sandlin, W.	280	171
Sanford, A.	99	64
Sanford, J. W.	376	229
Sanford, T.	527	325
Sanford, O. P.	882	552
Sater, H. H.	164	97
Sattler, H.	969	593
Sattler, H.	973	595
Sattley, M.	120	77
Sauls, W. W.	239	141
Saunders, T.	269	167
Saunders, W. R.	847	540
Saunders, T.	858	544
Saunders, I. J.	892	555
Sayer, S. D.	583	346
Schenck, J. C. F.	704	453
Schlessman, M.	885	553
Schmidt, L.	977	597
Schofield, J.	87	58
Schram, A. C.	160	95
Schram, A. C.	425	260
Schubert, M.	746	487
Schuchard, J.	814	523
Schuetz, A.	886	553
Schultz, J. D. and Adams, B.	771	506
Scott, R.	382	231
Scott, J.	451	279
Scoville, T. S.	758	501
Scoville, I. and H. H.	949	580
Scoville, T. S.	1057	649
Seaman, J.	638	367
Seaman. J.	652	374
Search, C. F.	95	62
Seeger, G., Loveless, J. W. and Throp, J. W.	349	212
Seegmiller, S.	32	20
Seely, L. J.	85	57
Seely, S. F.	1063	651
Selden, D. J.	697	451
Selick, H.	580	345
Selick, H.	605	353
Sellers, J. C.	206	125
Semmes, R. T.	991	609
Sessions, F E. and Knox, S. A.	472	294
Sessions, F. E.	960	588
Sewell, J.	883	552
Seyler, B.	516	322
Seymour, J.	469	293
Shabley, C.	769	504
Shaffar, L. W.	541	329
Shalters, M.R. and Ray, S.	862	546
Shannon, T. E.	201	123
Shares, D. W.	741	485
Sharkey, P.	264	166
Sharp, T.	23	17
Shaw, J. H.	77	54
Shaw, H. F. and G. F.	956	586
Shaw, H. F. and G. F.	962	589
Shaw, P.	997	619
Shearer, S.	511	320
Shedd, W. F.	67	50
Sheehan, T.	125	79
Sheets, I. S.	314	190
Sheets, I. S.	318	191
Shelton, G.	84	56
Shelton, G.	599	351
" " (R)	599	351
Shemwell, O. M.	136	83
Shepard, J.	268	167
Shepard, J.	575	343
Sherman, J. H.	116	75
Sherman, D. B.	798	516
Sherrill, J.	1098	671
Sherwood, A. H.	386	232
Sherwood, H. B.	400	237
Sherwood, L.	777	509
Shickel, J.	627	362
Shields, F. M.	210	128
Shields, F. M.	280	171
Shipp, J. W. and Crenshaw, C. W.	534	327
Shipp, W. T., Peterson, C. J. and McLurd, R. L.	879	551
Shiver, C. J.	848	540
Shogren, A.	69	51
Shotwell, S. L. and Hicks, S. R.	1008	624
Shular, L. H.	351	212
Shunk, A. Sr.	573	338
Seiverling, H. C.	77	54
Sigrist, F.	66	50
Simmons, M. H.	98	63
Simmons, A. and M.	361	216
Simonds, F.	674	384
Simonson, G.	1013	626
Simpson, J.	96	62
Sims, B. L.	9	4
Sims, Z. B.	75	53
Sinclear, H. B.	515	321
Singer, J.	871	548
Singleton, D. T.	869	548
Sipe, A.	1085	659
Sisson, J. G and Delana, L.	316	190
Sivertsen, B. E.	777	509
Skelton, W. M.	391	234
Skillings, H.	800	517
Skinner, J. B.	114	74
Skinner, J. B.	115	75
Skinner, J. B.	116	75
Skinner, H. M.	126	79
Skinner, H. M.	133	82
Skinner, J. B.	557	335
Skinner, W. W.	722	469
Slocum, M. D.	149	89
Sloop, H.	838	580
Small, J. B, Holbrook, F. F. and Matthews, E. G.	77	54
Small, W.	502	317
Smawley, H. B.	310	188
Smeltzer, D. B. D.	187	112
Smiley, W. H.	1077	656
Smith, L. E.	85	56
Smith, F. C.	111	73
Smith, F. F.	120	77
Smith, J. M.	125	79
Smith, J. M.	130	81
Smith, G. K.	143	86
Smith, J. H.	242	143
Smith, J. F.	248	146
Smith, J. S.	271	168
Smith, J. N. and Buckley, W. O.	313	189
Smith, J. B.	369	227
Smith, G.	374	228
Smith, G. W.	376	229
Smith, W. D.	385	232
Smith, R. P. and Gates, J. R.	446	277
Smith, A.	462	291
Smith, D.	470	294
Smith, J. C.	500	316
Smith, M.	503	317
Smith, A.	509	319
Smith, D. H. and E. E.	534	327
Smith, J.	536	328
Smith, G. K. and Strasser, J.	566	339
Smith, H.	589	348
Smith, A. C.	590	348
Smith, H. B.	599	351
Smith, H. D.	615	357
Smith, J. A.	649	372
Smith, G. E.	668	381
Smith, R.	709	456
Smith, N. S.	756	500
Smith, A.	843	539
Smith, D. W.	853	542
Smith, E. J. and Griswold, H.	925	575
Smith, H. B.	934	578
Smith, A. B.	987	607
Smith, J. K.	1008	624
Smith, D. B.	1083	658
Smith, M. T.	1090	669
Smith, G. B.	1092	670
Smith, A.	1094	670
Smoot, T. E.	397	236
Smoot, J., Sr.	629	363
Snead, C. W.	870	548
Snider, I.	461	291
Snider, I.	692	449
" " (A. I.)	692	450
Snodgrass, F. B.	901	559
Snow, M.	266	166
Snow, G. B.	362	216
Snyder, W. W.	452	279
Snyder, J.	743	486
Snyder, C.	870	548
Snyder, A.	871	548
Sommers, H. B.	304	186
Soniat, L.	789	513
Sornberger, R	10	4
Soule, S. W.	607	354
Sparkes, J. H.	453	280
Sparks, M. P.	629	363
Spedden, H. B.	350	212
Speer, J.	205	125
Speer. J. A, Jr.	268	167
Speer, W. W.	285	172
Speer, W. W.	655	375
Speer, W. W.	656	376
Speer, W. W.	945	583
Speer, W. W.	989	908
Speer, J. T.	989	608
Speer, J.	1005	622
Spence, A. L.	231	137
Spencer, R. W.	287	173
Spencer, H. H.	814	523
Spencer, D. B.	998	620
Spicer, A. J.	128	80
Spiehlman, G.	562	337
Spink, M. A.	113	73
Spink, M. A.	165	98
Spofford, M.	751	499
Sprague, C. A. and Clardy, J. W.	237	140
Sprague. H.	519	322
Spratt, W. S.	380	230
Spratt, W. S.	548	332
" " " (R)	548	332
Springsteen, A. B.	276	169
Sprouse, W. T.	423	259
Sprouse, W. T.	501	317
Sprouse, W. T.	693	450
Squires, E.	1086	659
Stacy, W.	318	191
Stacy, W.	329	196
Stacy, W.	329	196
Stafford, D. F.	303	185

	Plate	Claim
Stafford, C. W.	442	275
Standart, S. W.	312	189
Standish, P. H.	774	507
Srandish, P. H.	1015	627
Stanger, M. E.	861	545
Stanley, H.	722	469
Stanley, H.	767	504
Stansbury, T. A.	550	333
Starke, P. H.	536	328
Starke, P. H.	568	340
Starke, P. H.	571	341
Starke, P. H.	595	350
Starke, P. H.	606	353
Stark, T. C.	1031	632
Starnes, S. S.	563	338
Starritt, J. D.	788	513
Startzman, W. H.	860	545
Stearns, L. M.	67	50
Stebbins, L.	823	527
Steen, C.	857	544
Steinmetz, C. P.	939	580
Steller, C. E.	121	78
Steller, C. E.	147	88
Stem, H.	577	343
Stephens, A. J.	319	191
Stephens, A. J.	776	509
Stephens, H.	859	544
Stephenson, W.	628	363
Stevens, T. S.	756	500
Stevens, J.	756	500
Stevens, L.	759	501
Stevens, A. J.	1019	629
Stewart, D.	72	52
Stewart, E.	80	55
Stewart, S. M.	592	349
Stewart, J. A.	694	451
Stewart, U. T.	865	546
Stewart, L.	1018	629
Stickney, B. F.	751	499
" " " (R)	114	74
Stoddard, J. C.	203	124
Stoddard, J. C.	757	500
Stoddard, W.	1000	621
Stillman, W. W.	113	74
Stoker, A. W.	552	334
Stone, W. H.	49	37
Stone, J. C.	796	516
Stone, R.	1044	640
Stoner, J. B.	64	49
Stoner, A. F.	776	508
Storle, O. O.	700	453
Storm, J. H.	52	38
Storm, J. H.	52	38
Story, J. T.	594	349
Straight, H. D.	624	360
Strait, R. E.	727	971
Strait, W.	958	587
" " (R)	958	587
Strait, W.	964	590
Strait, W.	971	593
Stratton, C. H.	954	586
Street, H. G.	267	167
Stridd, E. F.	614	357
Stridd, E. F.	647	371
Stripe, I.	449	278
Strong, H. C.	10	4
Strong, C. C.	704	454
Stroop, J.	1	1
Stuart, I. W. and Allen, J. G.	328	195
Sturdevant, O.	444	276
Sturtevant, Z. W.	941	581
Sustaire, J. T.	241	142
Sutton, E. H.	226	134
" " " (R)	227	135
Sutton, W. H.	1084	658
Swart, J.	185	111
Swart, J.	268	167
Swartz, David. (A. I.)	1	1
Swartz, D.	518	322
Swartz, D. and S.	520	323
Swartz, R. E.	732	473
Swartz, P. E. and Arnot, A.	970	593
Sweeny, R.	493	311
Sweetland, H. H.	949	584
Sweitzer, J.	538	329
Swenson, N., Lindguist, J. S. and Hedlund, C.	669	382
Swift, A.	453	280
Swofford, J. P.	278	170
Sykes, C. W.	934	578
Talley, R. J.	896	557
Tallmadge, N. S.	1062	650
Tally, T. J.	810	522
Tanger, D. B.	102	65
Tarpley, J. H.	76	53
Taplin, H. T.	778	509
Tarnutzer, J. P.	771	505
Tate, E.	965	591
Taveau, A. L.	1020	629
Tavenner, E. C. and Nesmith, O.	521	323
Taylor, J. V.	341	209
Taylor, B.	378	230
Taylor, C. B.	496	313
Taylor, A.	496	314
Taylor, H.	501	317
Taylor, A.	510	319
Taylor, A. C.	673	384
Teague, J. C.	8	3
Teague, J. C.	266	166
Teague, A.	506	318
Teague, A.	579	344
Teeter, I.	923	574
Tefft, J. S.	506	318
Temples, J. J.	1098	672
Templin, T. T.	991	609
Terrel, T.	43	35
Terrel, T.	856	543
Terrell, H. D.	285	172
Tessier, M.	579	344
Thayer, A. P.	1011	625
Themar, R. and Brand Brothers,	1074	655
Thom, D. K.	263	165
Thom, J. W.	478	296
Thomas, C. H.	134	82
Thompson, N. S.	49	37
Thompson, C. R.	143	85
Thompson, M. Y.	393	235
Thompson, L. P.	480	297
Thompson, T.	526	325
Thompson, S. R.	573	341
Thompson, A.	770	505
Thompson, J.	781	511
Thompson, J. T.	849	541
Thompson, G. W.	936	578
Thompson, G. W.	943	582
" " " (R)	943	582
Thomson, G. and J.	140	85
Thomson, R. B.	146	87
Thomson, R. B.	634	365
Thorn, E.	437	274
Thornton, A. B.	352	213
Thornton, A. B.	356	214
Thornton, J. B., McDonel, G. H. and Hale, A.	1095	670
Thrailkill, S.	304	186
Throp, G. W.	701	453
Thurman, J. W.	926	575
Thurston, F. G.	279	170
Tice, I. P.	1024	630
Tichenor, W. B.	324	193
Tietjens, H. H.	376	229
Tietz, J.	937	579
Tiffany, J. C.	305	186
Tilley, J. R.	799	517
Tilton, W. C.	223	133
Tilton, D. L.	1089	669
Tingley, J. M.	611	355
Tinkler, J.	922	574
Titus, W. D.	566	339
Tobias, B.	308	187
Tolle, M.	1	1
Tomlin on, J.	545	331
Toms, Z, and McMullen, L. W.	275	169
Tounley, E. A. and Friedrich, E. S.	1017	628
Towers, W. M.	635	366
Towers, W. M.	639	368
Towers, W. W.	885	553
Towers, W. McG. and Sullivan, A. R.	903	559
Townsend, J. T.	464	292
Tracy, J. D. and Platt, J. F.	87	57
Tranter, J., Kinsey, J. and Carr, J. M	781	510
Trantham, T. H.	275	169
Travis, D. W.	323	193
Traxler, F.	24	17
Trefftz, L. and Slimpert, G. H.	379	230
Trigalet, F.	387	233
Trissler, W. H.	707	455
Trissler, Wm. H.	707	455
Trouard, A.	786	512
Trowbridge, R.	467	293
True, L. W.	246	145
Trump, G.	130	81
Trump, J.	924	574
Tucker, A. W.	479	297
Tucker, R. C.	715	459
Tufts, S. G.	940	581
Tull, J. W.	354	213
Turley, M.	710	356
Turner, W. J.	716	459
Turner, W. W.	899	558
Turner, J. R. and Jacobs, J.	1080	656
Turnipseed, E. B.	219	131
Tuthill, T. J.	751	499
Tuttle, B. W.	131	81
Tuttle, B. W.	131	81
Tuttle, S. D.	1066	652
Twigg, C. W.	152	90
Tyler, W. H.	940	581
Tyner, W. L.	453	280
Tyson, E. P.	245	145
Uehling, T.	778	509
Underhill, H. R.	963	590
Underwnod, F. J.	123	78
Underwood, J. B.	223	133
" " " (R)	224	133
Underwood, J. K.	794	515
" " " (R)	795	515
Underwood, J. K.	796	516
Underwood, J. R. and St. John, G. B.	811	522
Updike, R.	11	5
Urie, J,	566	339
Urie, C.	603	352
Urie, J.	613	356
Urie, J., Sr.	649	372
Urie, T. S.	706	455
Utley, G.	569	340
Utley, G.	853	542
Utley, G.	1057	649
Vairin, A. L. P.	1080	657
Vampill, R.	396	235
VanBrocklin, John.	64	49
VanCamp, E.	931	577
Vandegrift, J.	561	337
" " (R)	562	337
Vandegrift, J.	673	384
VanDuine, M. and De-		

	Plate	Claim
Jonge, J.	48	36
Van Every, C. M.	987	607
Van Loan, W. W.	421	259
Vann, J. A.	91	60
Vannatta, H.	320	192
Vars, N.	934	578
Vaughan, G. B.	50	37
Vaughan, G. B.	359	215
Vaughan, S. O.	533	327
Vaughn, J. B.	538	329
Vaughn, J. and Chamness. E.	774	507
Veber, W., Jr.	43	35
Vernon, G. W.	678	387
Vertrees, J. C.	596	350
Vick, R. A.	263	165
Vickery, D. F. and Prickett, W. P.	959	587
Vincent, C. C.	166	99
Vincent, R.	529	326
Vinnedge, J. R.	331	197
Voigt, C. I.	352	213
Von Achen, J.	374	228
Von Phul, H., Jr. and Mallon, J.	791	514
Voorhis, O. W., Mapes, S. H. and Voorhis, W. M.	448	278
Vosburg, H.	391	234
Wadleigh, S. F., Roberts, O. N. and G. S.	964	570
Wadsworth, W. S.	622	360
Wadsworth, W.	763	503
Wadsworth, W.	764	503
Waggoner, E. M.	495	312
Wainwright, T. A,	863	546
Walden, J. M.	250	148
Walden, J. M.	251	149
Walden, J. M.	253	149
Walden, J. M.	254	150
Walker, E.	8	4
Walker, W. M.	498	315
Walker, W. and M. C.	508	319
Walker J.	514	321
Walker, S.	532	327
Walker, G. A	695	451
Wall, A. L. O., Roberts, G. and Carter, M. S.	440	275
Wall, A. L. O., Roberts, G. and Carter, M. S.	441	275
Wall, A. L. O., Roberts, G. and Carter, M. S.	443	276
Wallace, J.	45	35
Wallace, J. R. and McClain, B. A.	209	127
Wallace, J.	549	333
Wallace, J.	597	351
Wallis, T. and Case, O. J.	51	38
Walpole, W. R.	1064	651
Walsh, M. D.	612	356
Walter, E.	611	355
Walton, E. W.	869	548
Wansbrough, E.	98	63
Wansbrough, E. and Speer, W. W.	147	88
" " " " (R)	147	88
Wansbrough, E. and Speer, W. W.	159	94
Warbasse, E. H.	391	234
Ward, S. B.	625	361
Ward, T.	901	559
Ward, W. E.	998	620
Warinner, W.	1081	657
Warlick, N.	838	538
Warlick, W.	952	585
Warlick, N.	985	607
Warren, D.	40	33
Warren, O. F.	43	35
Warren, T. P.	71	52
Warren, J.	241	143
Warren, T. P.	270	167
Warren, A.	376	227
Warren, J.	516	322
Warren, W.	528	325
Warren, W.	537	328
Walsh, W. H.	227	135
Washburn, A. W.	201	123
Washburn, H.	592	349
Washburn, A. W.	652	374
Washburn, A. W.	839	538
Wasson, W. T.	455	281
Watkins, J. T.	625	361
Watrous, J. J.	226	134
Watson, D.	430	271
Watson, A.	431	271
Watson, A.	433	272
Watson, A.	440	275
Watson, W. M.	604	353
Watson, W.	847	540
Watson, F.	938	580
Watson, E. S.	1082	657
Watt, G.	74	53
Watt, G.	411	247
Watt, G.	505	318
Watt, G.	524	324
" " (R)	524	324
Watt, G.	526	325
" " (A. I.)	527	325
" " (R)	527	325
" " (R)	527	325
Watt, G.	564	338
" " (R)	565	338
Watt, G.	576	343
Watt, G.	660	378
Way, S.	128	80
Weaber, A.	594	349
Weaver, J.	199	123
Weaver, W.	414	248
Weaver, J.	921	573
Webb, A.	743	486
" " (R)	743	486
Webb, J. W.	1072	654
Webber, A. P.	50	37
Webber, A. P.	137	83
Webber, A. P.	358	215
Webster J. B. and Baxter, R.	117	76
Webster, T. L.	136	83
Weed, C. A.	643	369
Weeks, L. and Trimble, J. S.	702	453
Weir, W. S.	91	59
Weir, W. S.	91	60
Welborn, W. J. N.	907	561
Welling, W. J.	150	89
Wells, E.	266	166
Wells, M. D.	835	537
Welsh, D. F.	317	131
West, C. O., Smith, J. R. Carey, J., Janney, G., Hunt, R., Hockett, A., West. D., E. and Garr ner, J.	306	186
West, W.	314	190
West, W. B.	727	471
West, B. J.	810	522
Westcott, N.	609	355
Weston, J. W. and M. H.	316	190
Witherell, L.	202	123
Witherell, L.	755	500
Weygandt, D.	185	112
Wharton, G.	584	346
Wheatley, R. J.	583	346
Wheatley, R. J.	1063	651
Whisler, D.	311	188
" " (R)	311	188
Whitbeck, G. V. H.	144	87
Whitcomb, W. E.	94	61
Whitcomb, G.	438	274
White, C.	567	339
White, L. B.	606	353
White, M. F.	613	356
White, L. B.	620	359
White, L. B.	620	359
White, L. B.	675	385
White, S. M. and Francis, J. A.	711	457
White, L. B.	875	549
Whitehead, J.	754	499
Whitehall, N.	1075	655
Whitehurst, R. W.	661	378
Whitehurst, R. W.	900	558
Whitesell, D.	321	192
Whiteley, W.	469	294
Whiteley, S.	852	542
Whitford, L R.	186	112
Whiting, E. G.	503	317
Whiting, E. G.	549	332
Whiting, E. G.	630	363
Whitman, E. B.	155	92
Whittemore, J. R.	745	487
Whittemore, H. B.	881	552
Whittlesy, A. and A. K.	111	73
Whittick, A. H.	1075	655
Wiard, E.	5	2
Wiard, E.	5	2
Wiard, H.	31	20
Wiard, E.	135	82
Wiard, T.	141	85
Wiard, E.	412	247
Wiard, E.	412	247
Wiard, T.	505	318
Wiard, T.	529	326
Wiard, E.	573	342
" " (R)	573	342
Wiard, E.	578	344
Wiard, E.	578	444
Wiard, E.	595	350
Wiard, E.	607	354
Wiard. E.	613	356
Wiard, G. and T.	621	359
" " " " (R)	621	359
Wiard, G. and T.	625	361
Wiard, E.	634	365
Wiard, H.	639	368
" " (R)	640	368
" " (R)	640	368
Wiard, E.	654	375
Wiard, E.	654	375
Wiard, G.	673	384
Wiard, G. and Hough, C. W.	628	362
Wiard, G. and Hough, C. W.	634	366
Wiard, H. and Bullock, W. R.	656	375
Wiard, H. and Bullock, W. R	663	379
Wiard, H. and Bullock, W. R.	968	592
Wiggin, G. W.	309	187
Wiggin, G. W.	896	557
Wilder, C. O.	91	59
Wilder, W. H.	150	90
Wilder, B S.	249	147
Wilder, W. H.	650	372
Wilder, C. O.	653	374
Wilder, C. O.	655	375
Wilder, J. B.	927	576
Wilder, T. G.	1073	654
Wiley, J.	274	169
Wiley, A.	328	195
Wilkin, C.	567	339
Wilkins, S. B.	1018	628
Willard, W. H.	112	73
Willard, G.	1015	627
Williams, H. D.	322	192
Williams, S., Jr.	421	259

	Plate	Claim
Williams, C.	411	247
Williams, W. B.	531	326
Williams, W. B.	698	452
Williams, J. M.	849	541
Williams, R. S.	849	541
Williams, W. B.	1058	649
Williamson, J. C.	875	550
Williamson, J. C.	842	538
Willis, H. M.	95	62
Willoughby, J. D.	65	50
Willson, F. R.	598	351
Willson, J. S.	848	540
Wilson, C. E.	3	1
Wilson, J. M.	270	167
Wilson, J. L. and Haworth, J. R.	312	189
Wilson, L. S.	596	350
Wilson, W. H.	843	539
Wilson, J. F. and R. I.	888	554
Wilson, L. E. and Mc Canles, J. E.	963	590
Wilson, J. T.	1022	630
Wilt, S.	64	49
Wimpee, G. W.	228	136
Wimpee, G. W. and W. F.	643	369
Winans, R.	691	449
Winecoff, J.	379	230
Wing, G. A.	726	471
Wingate, R. H.	288	173
Winger, J. G.	263	165
Winslow, T.	548	332
Winston, R. B.	526	325
Winter, H. A.	320	192
Winters, E C.	793	514
Winton, W. B.	378	230
Wise, T. P.	11	5
Wise, W.	306	186
Wisner, H. E.	156	93
Witherow, S.	39	33
Witherow, S. and Peirce, D.	461	291
Witherow, S.	512	320
Withers, A. Q.	202	123
Witt, L. C. and Jones, W. F.	353	213
Wixson, R.	863	556
Wolf, L.	538	328
Wolf, D.	666	380
Wolf, D.	710	456
Wolf, D.	741	485
Wolf, F.	759	501
Wolf, L.	1061	650
Wonsey, P.	2	1
Wood, J. W.	144	86
Wood, S. S.	319	191
Wood, J.	492	310
Wood, D. and Byington, A.	534	327
Wood, N. S.	792	514
Wood, J. and North, R.	1056	649
Woodbridge, S.	769	505
Woodbury, J. L. and G. L.	970	593
Woodcock, B.	41	34
Woodcock, B. (A. I.)	111	73
Woodcock, B.	510	320
Woodcock, B.	692	449
" " (R)	692	449
Woodruff, C. F.	317	190
Woodruff, T. T.	1043	639
Woodward, W. A.	94	61
Woodward, J.	517	322
Woodward, L. E.	651	373
Woodward, L. E.	657	376
Woodsworth, L. S.	976	596
Wooldridge, S. H.	481	298
Wooldridge, S. H.	855	543
Woolfolk, L. B.	1004	622
Woolfolk, L. B.	1004	622
Woolley, J. F.	351	212
Workman, R. W.	893	556
Worline, C. E.	10	4
Wormell, W. E.	851	541
orth, E. and Davis, C. WA.	312	189
Wright, E. A.	80	55
Wright, A.	582	345
Wright, S. D.	614	356
Wright, J. W.	624	361
Wright, A.	938	580
Wrisley, S. H.	956	586
Wyche, W. E.	413	247
Wyche, W. E.	522	324
Wyche, W E.	522	324
Wyman, G. D.	605	353
Yaggy, L. W. and Loop, J. N.	1096	671
Yardley, E. N.	1094	670
Yeager, W. F.	532	327
Yeiser, C.	715	459
Yeiser, E.	641	368
Yocom, J.	615	357
Yost, G. W. N.	262	165
Yost, G. W. N.	544	331
Yost, G. W. N.	545	331
Yost, W.	597	351
Yost, G. W. N.	851	541
Yost, G. W. N.	1001	621
Yost, G. W. N.	1062	650
Young, C. M.	4	2
Young, I.	115	75
Young, W. B.	165	98
Young, J. H. W.	216	130
Young, W. T. and Moody, W. T.	238	141
Young, J.	751	499
Young, J.	757	501
Young, W. B.	985	607
Young, W. B.	567	339
Ziegler, G. W.	523	324
Zeller, W. and Lechner, R.	44	35
Zeller, J. P.	138	84
Zeller, J. P.	705	454
Zocher, C.	278	170
Zoeberlein, J.	321	192
Zimmerman, J.	754	499
Zollickoofer, W. T.	851	541

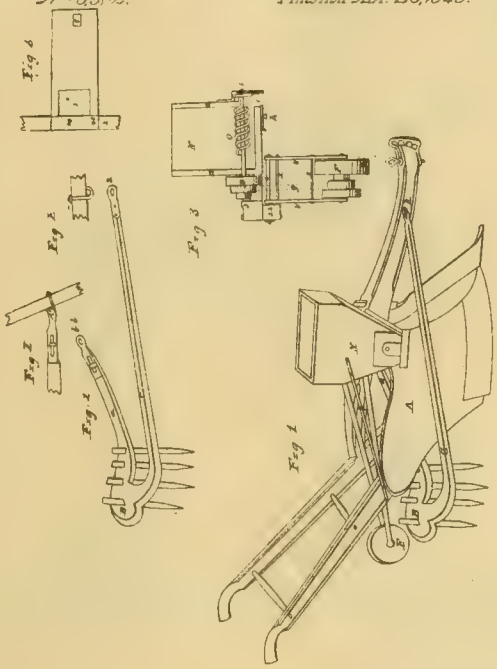
ATTACHMENTS.

	Plate	*Claim*
Belchambers, A.	9	4
Brown, C. E.	8	4
Cahill, M.	12	5
Carrington, H. L.	7	3
Coles, J.	7	3
Darby, J. G.	5	2
Decker, N. C.	13	6
Dickson, J. H.	2	1
Dodsworth, T. C.	11	5
Donnelly, W.	4	2
Ferguson, S. T.	6	3
Fowler, W. R.	7	3
Fromm, A. F.	9	4
Frost, L. C.	4	2
Harsha, J.	2	1
Herberg, P. P. and Claussen, P. H.	12	5
Himrod, W. G.	8	3
Hogmire, J. O.	7	3
Jacobus, P. and Ambrose, D. R.	6	3
Jacobus, P. and Ambrose, D. R.	6	2
Johnson, J. A.	5	2
Kemper, B.	13	6
Kennedy, W. G., Preston, L. Z., Mornand, F. A. and Kennedy E. H.	10	4
Lacy, J. and Watkins, G.	1	1
Mann, J. H.	13	6
Marsh, G. W.	3	1
Meroney, T. J.	6	3
Moore, A. and Wendel, F.	3	1
Paullin, P. E.	12	6
Peck, J. D.	2	1
Price, Levi	9	4
Rhoades, A. A. and Tash, W.	4	2
Rodgers, W.	3	1
Sackett, C. E.	12	6
Sims, B. L.	9	4
Sornberger, R.	10	4
Strong, H. C.	10	4
Stroop, J.	1	1
Swartz, D. (A. I.)	1	1
Teague, J. C.	8	3
Tolle, M.	1	1
Updike, R.	11	5
Walker, E.	8	4
Wiard, E.	5	2
Wiard, E.	5	2
Wilson, C. E.	3	1
Wise, T. P.	11	5
Wonsey, P.	2	1
Worline, C. E.	10	4
Young, C. M.	4	2

J. Stroop.

Seed Planter.

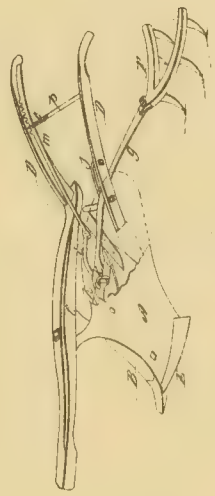
No. 6,562. Patented Jan. 26, 1849.



D. Swartz,

Plow.

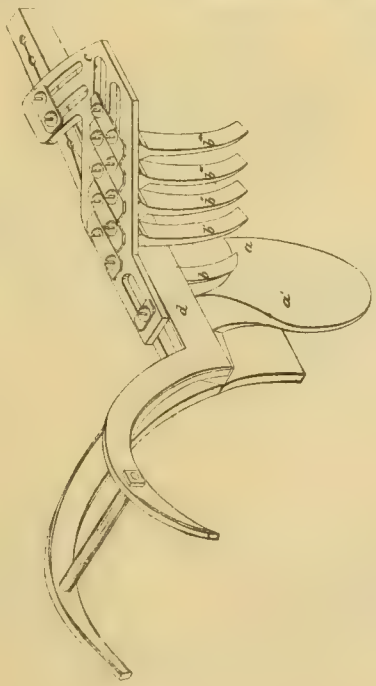
No. 109. (A1) Patented Feb 28, 1854.



M. Tolle.

Cultivator.

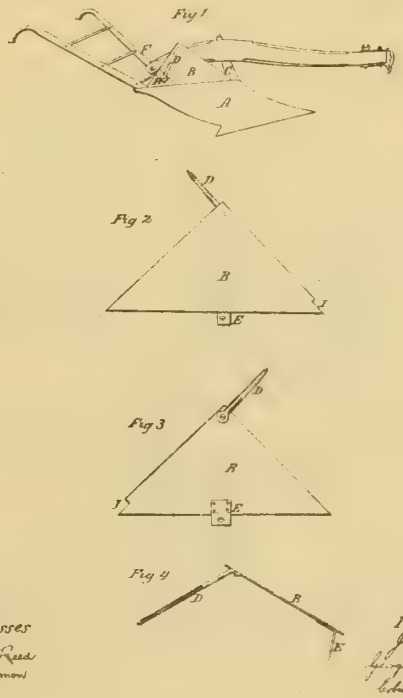
No. 17,594. Patented Jan. 16, 1857.



Lacy & Watkins.

Plow Fender.

No. 44,535. Patented Oct 4, 1864.



Witnesses
C. W. Reed
C. Connon

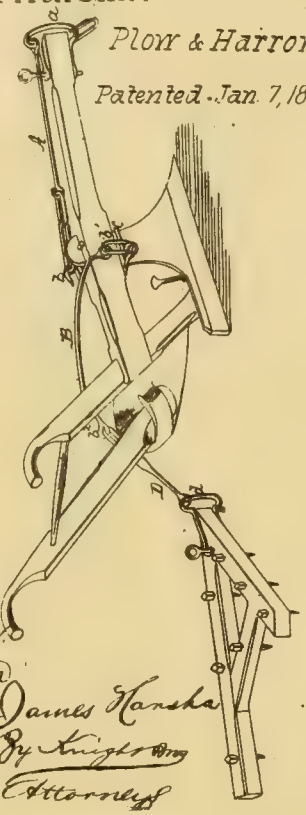
Inventor
John Lacy
George Watkins
by Edson & Mann

J. Harsha.

Plow & Harrow.

No. 73002

Patented Jan. 7, 1868.



Witnesses
H. M. Bowen
James Chinn

James Harsha
By Knight Bros
Attorneys

P. Wonsey.

Plow & Harrow.

No. 74094. Patented Feb. 4, 1868.

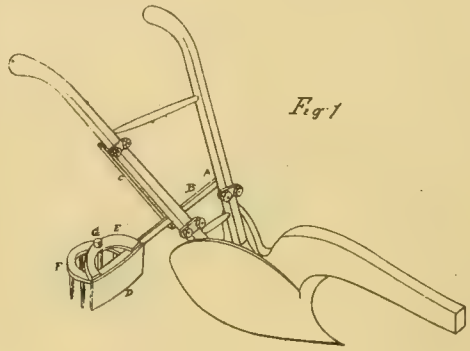


Fig. 1

Fig. 2.

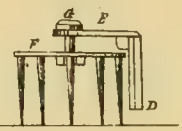
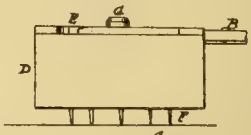


Fig. 3



Witnesses
S. M. Woods.
W. T. Wat

Inventor
P. Wonsey
by Geo. H. Wood
his atty.

John D. Pick's improvement in Plows

PATENTED
MAR 10 1868

75455

Fig. I

Fig. I

Fig. II

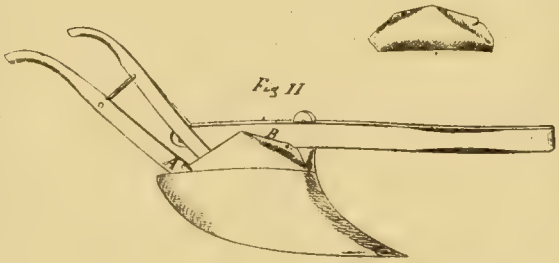
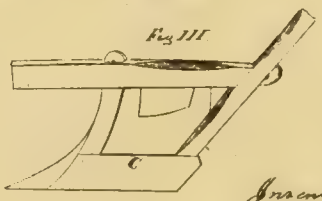


Fig. III



Witnesses
W. L. Pick
David Carson

Inventor
John D. Pick

J. H. Dickson,

Cultivator.

No. 81,148. Patented Aug. 18, 1868.

FIG. 1

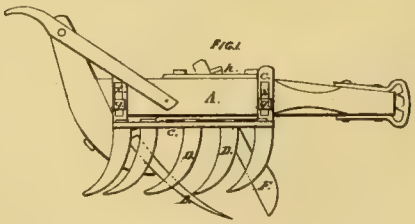
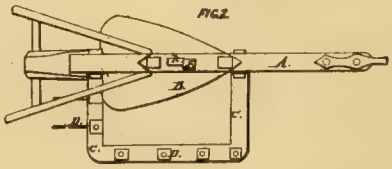


FIG. 2



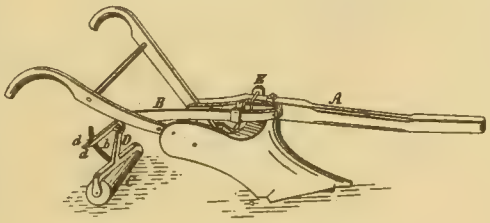
WITNESSES:
V. D. Stockbridge
A. M. Morr

INVENTOR.
J. H. Dickson
for
Frank Mason
attorney.

C. E. WILSON.

Plow.

No. 82,189. Patented Sept. 15, 1868.



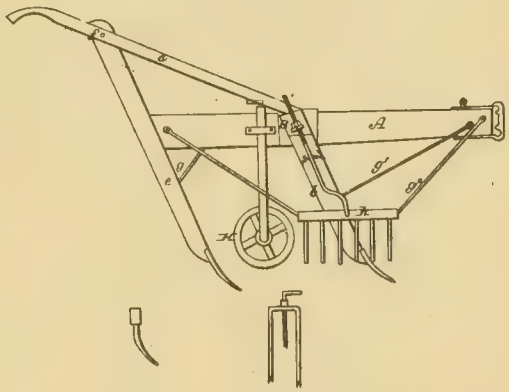
Witnesses:
Alfred Deane
Cathmore Holland

Inventor:
Charles E. Wilson

W. RODGERS.

Cultivator.

No. 82,753. Patented Oct. 6, 1868.



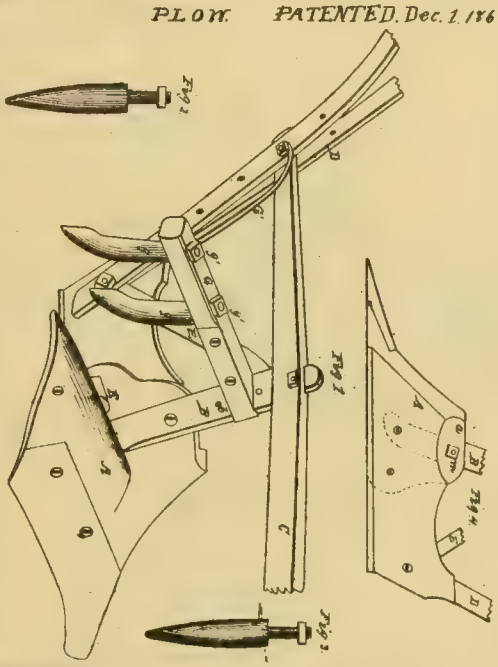
WITNESSES:
Fred Thomas
N. E. Sumpter

INVENTOR:
Wm Rodgers by
J. H. Beale
attorney

G. H. MARSH.

No 84563

PLOW. PATENTED. Dec. 1. 1868.



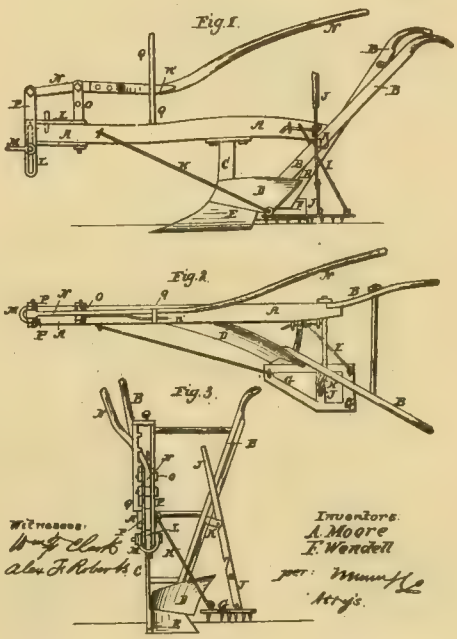
Witnesses:
John Sudenshine
Jacob F. Henry

Inventor:
Geo W. Marsh
By Wiedersham & Co
attys

MOORE & WENDELL.

Plow and Harrow.

No. 95,925. Patented Oct. 19, 1869.



Witnesses:
Wm. F. Clark
Alex. F. Roberts

Inventors:
A. Moore
F. Wendell
per: Munn & Co
Attys.

Rhoades & Park's

Cultivator.

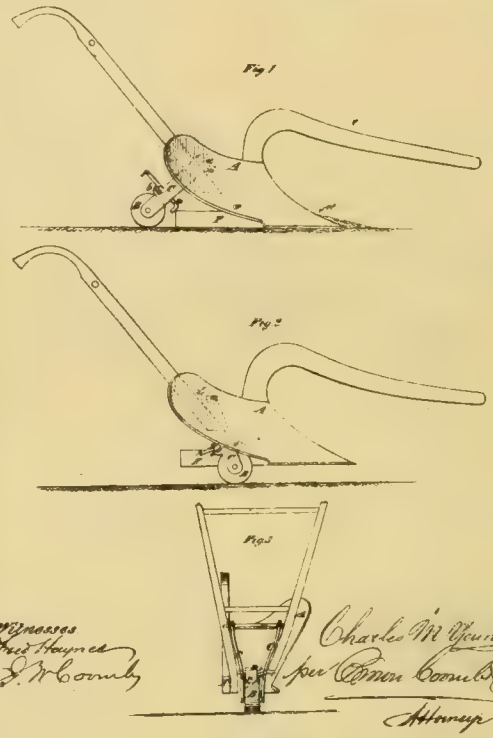
No. 89,336. Patented Jan. 25, 1870.

Witnesses:
Jno. H. Brooks
Edgar Tate

Inventors
A. Rhoades
W. Park
Per Munn & Co
Attorneys.

Charles M. Young's Roller Attachment for Plows.

116388 Patented Jun. 27 1871



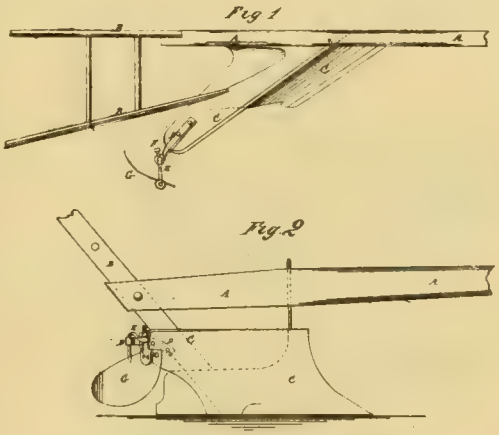
Witnesses
Geo Haynes
J. W. Connolly

Charles M Young
per Owen Connolly
Attorney

W. DONNELLY.

Plows.

No. 141,705. Patented August 12, 1873.



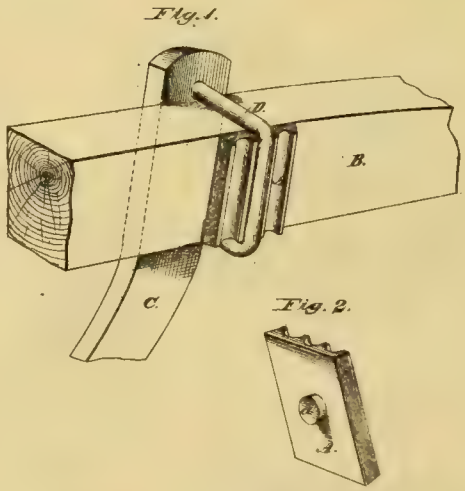
Witnesses:
A. W. Almquist
Chas. A.

Inventor:
W. Donnelly
Per Munn & Co
Attorneys.

L. C. FROST.

Plows.

No. 143,620. Patented Oct. 14, 1873.



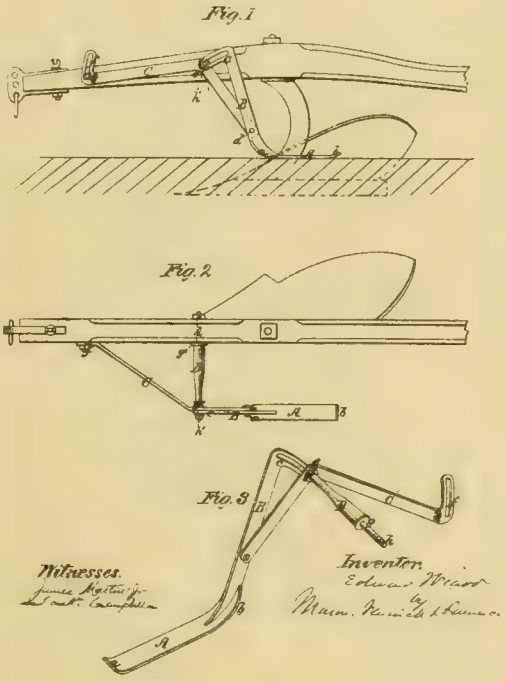
Witnesses.
W. L. Terrine
M. A. Parks

Inventor.
Lenard C. Frost
Per.
C. M. Parks
Atty.

E. WIARD.

Plows.

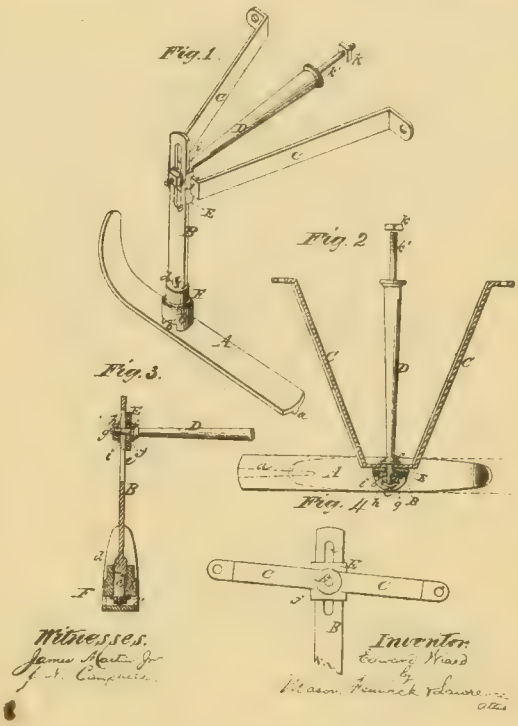
No. 144,584. Patented Nov. 11, 1873.



E. WIARD.

Land-Side Runners for Plows.

No. 150,450. Patented May 5, 1874.



J. G. DARBY.

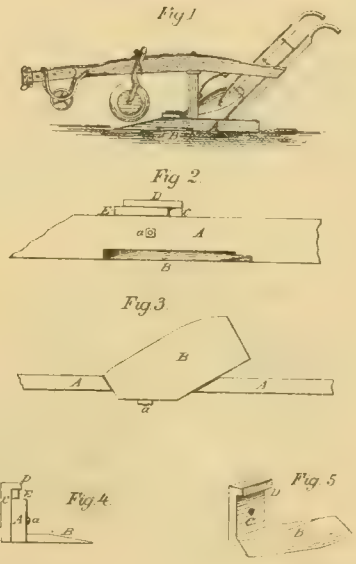
Shade-Attachments for Plows.

No. 156,282. Patented Oct. 27, 1874.

J. A. JOHNSON.

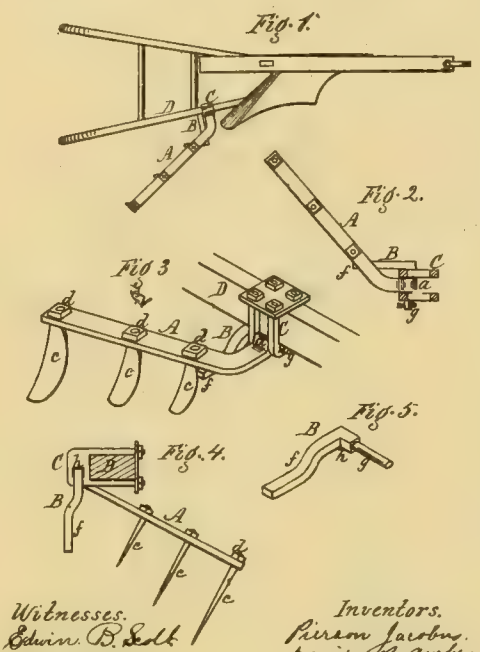
Plow.

No. 159,267. Patented Feb. 2, 1875.



P. JACOBUS & D. R. AMBROSE.
Harrow-Attachment for Plows.

No. 159,416. Patented Feb. 2, 1875.

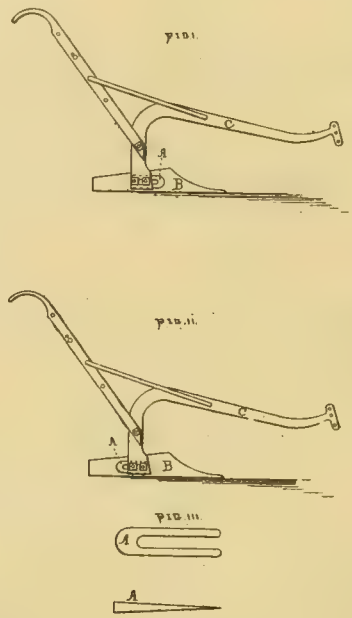


Witnesses.
Edwin B. Scott
James Spurlin

Inventors.
Pierson Jacobus.
David R. Ambrose.
for R. T. Osgood.
Atty.

S. T. FERGUSON.
Plow-Adjuster.

No. 159,913 Patented Feb. 16, 1875.

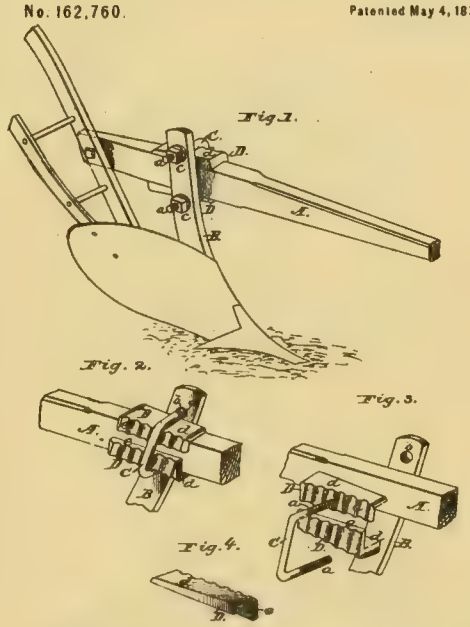


WITNESSES
Chas. H. Moore
W. G. Shaffer

INVENTOR.
Saml. T. Ferguson
for Atty A. H. Evans Esq.

T. J. MERONEY.
Plow.

No. 162,760. Patented May 4, 1875.

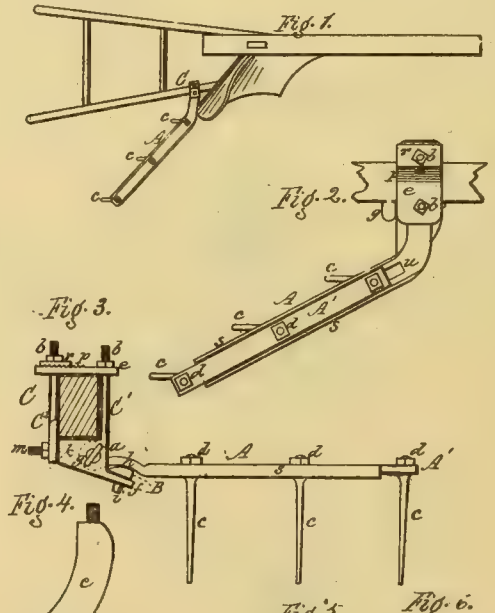


Attest:
A. H. Norris
Joseph C. Wildman

Inventor.
Thomas J. Meroney
By James S. Norris
Atty.

P. JACOBUS & D. R. AMBROSE.
HARROW ATTACHMENT FOR PLOWS.

No. 174,251. Patented Feb. 29, 1876.



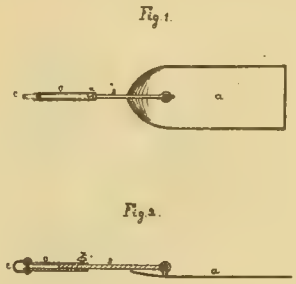
Witnesses.
Edwin B. Scott
James Spurlin

Inventors:
Pierson Jacobus.
David R. Ambrose.
for R. T. Osgood.
Atty.

H. L. CARRINGTON.

RIDING ATTACHMENT FOR PLOWS.

No. 174,618. Patented March 14, 1876.



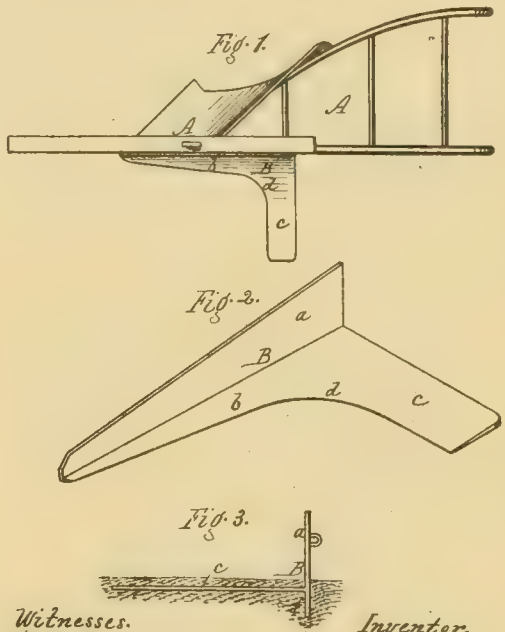
Witnesses.
Geo. H. Atkinson
A. B. Griffin

Inventor
Henry L. Carrington
by Bradford Howland
his Attorney.

J. O. HOGMIRE.

BEAN HARVESTER ATTACHMENT FOR PLOWS.

No. 174,677. Patented March 14, 1876.



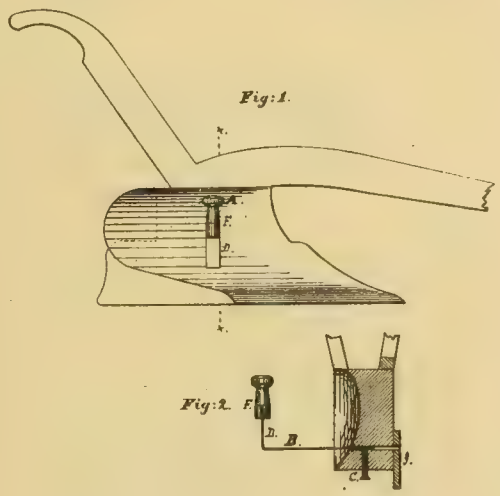
Witnesses.
E. D. Scott.
Louis Dehne.

Inventor.
Jonas O. Hogmire.
for R. F. Oglesby,
Atty.

J. COLES.

WEEDING-PLOW.

No. 193,225. Patented July 17, 1877.



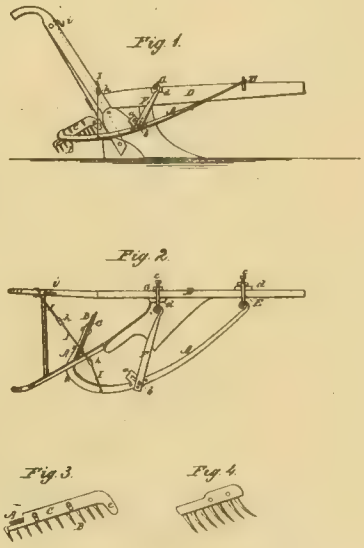
Witnesses:
A. Selcross
John Sparks

Inventor:
James Coles
By Horace Harris
Atty

W. R. FOWLER.

Attachment for Plows.

No. 200,047. Patented Feb. 5, 1878.

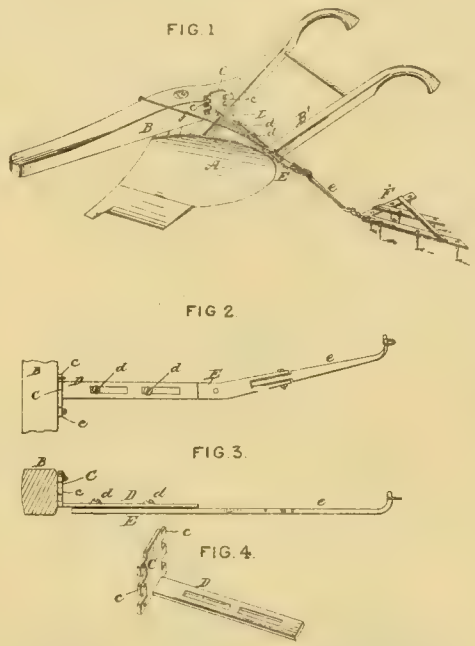


WITNESSES:
W. W. Rollinghurst
Amos W. Hart

INVENTOR:
Wm. R. Fowler
BY
Kenn & Co
ATTORNEYS.

J. C. TEAGUE.
Combined Plow and Harrow.

No. 205,317. Patented June 25, 1878.

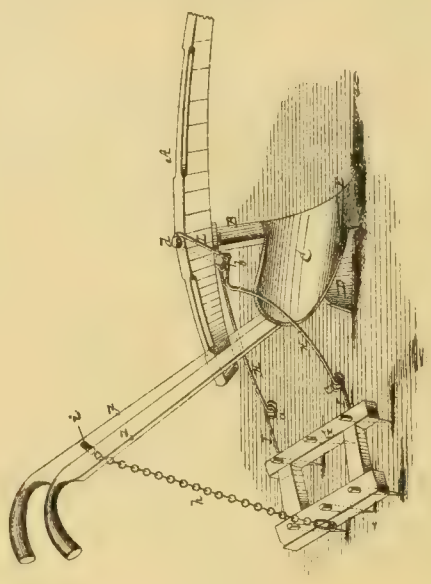


WITNESSES
Saml R. Turner
C. M. Sites

INVENTORS
Joseph C. Teague
By R. S. & A. H. Lacey
Attorneys

W. G. HIMROD.
Combined Plow and Harrow.

No. 209,046. Patented Oct. 15, 1878

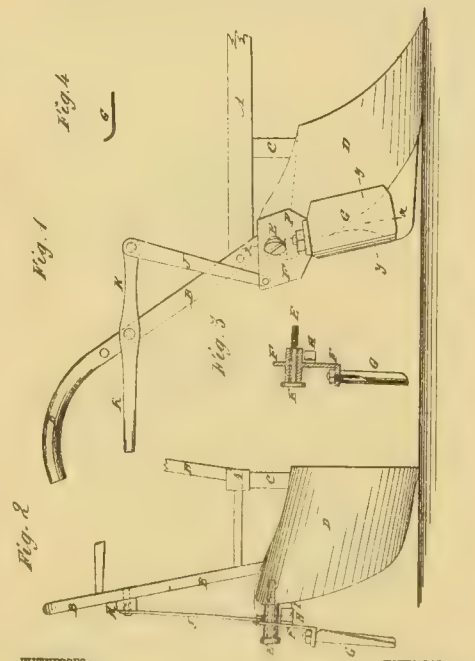


Witnesses:
P. C. Dieterich
Chas. B. Hymrod.

Inventor
William G. Himrod.
Per C. H. Watson & Co. Attorneys.

E. WALKER.
Plow.

No. 212,524. Patented Feb. 18, 1879.

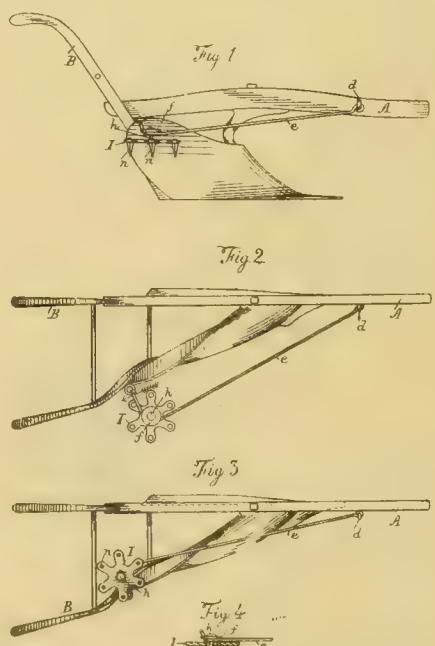


WITNESSES:
C. Neuer
E. Seaynick

INVENTOR:
E. Walker
BY Munn & Co.
ATTORNEYS.

J. E. BROWN.
Attachment for Plows.

No. 219,144. Patented Sept. 2, 1879.

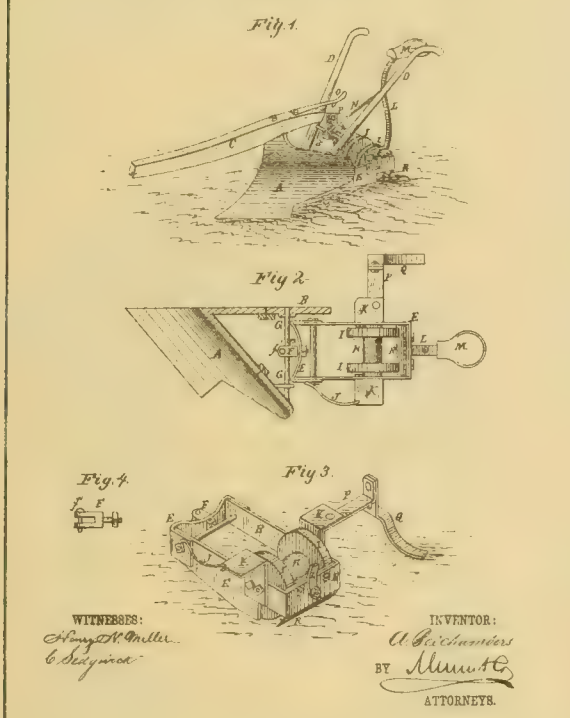


Witnesses:
Chas. E. Lewis.
A. C. Bauer

Inventor.
Caleb E. Brown
By his Atty
Chas. J. Munn

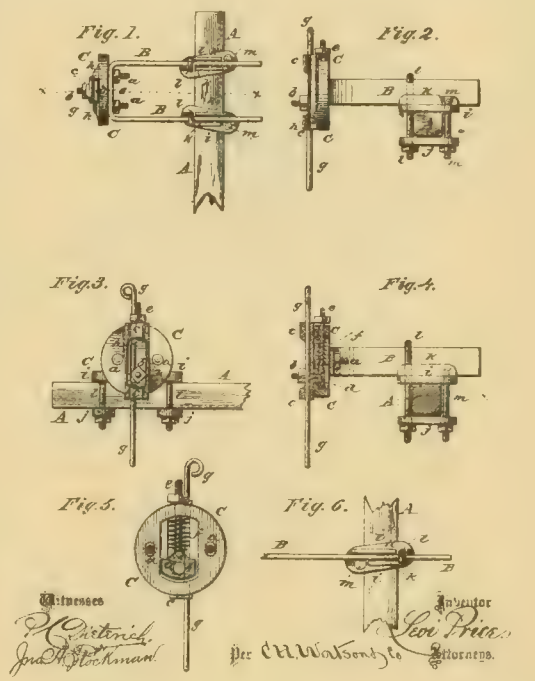
A. BELCHAMBERS.
Riding-Plow.

No. 220,790. Patented Oct. 21, 1879.



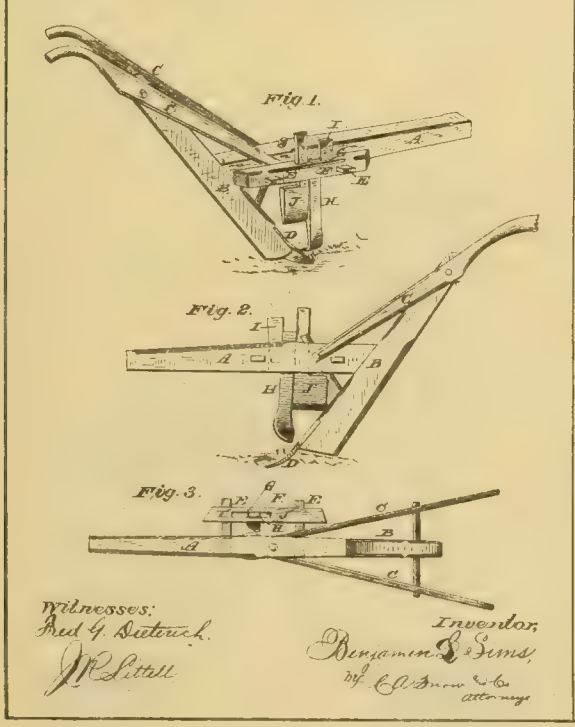
L. PRICE.
Attachment for Plows.

No. 224,223. Patented Feb. 3, 1880.



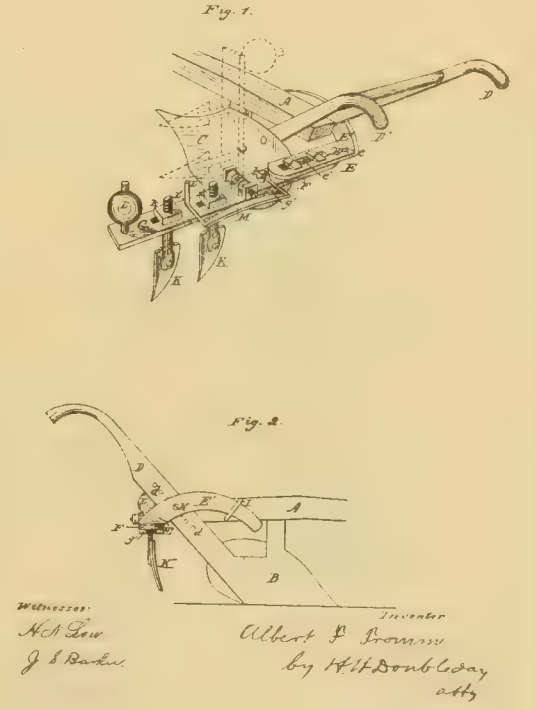
B. L. SIMS.
Plow Attachment.

No. 225,079. Patented Mar. 2, 1880.



A. F. FROMM.
Plow Attachment.

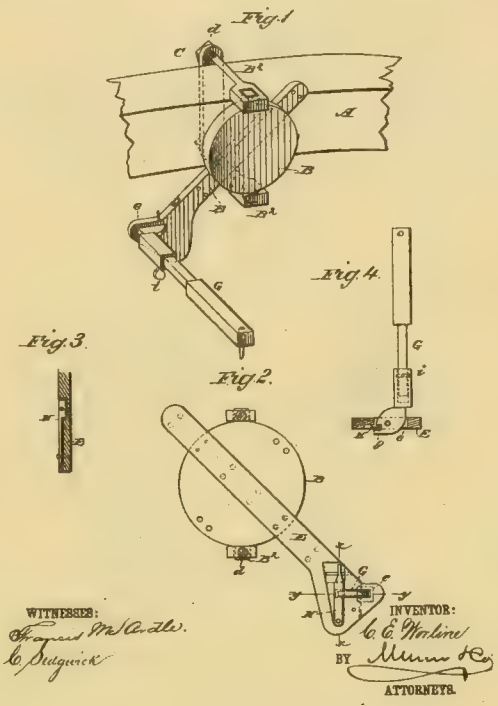
No. 226,657. Patented April 20, 1880.



(No Model.)

C. E. WORLINE.
Plow Attachment.

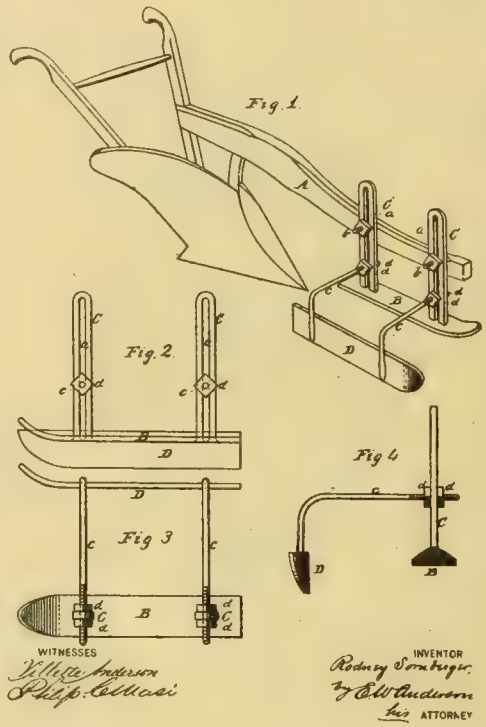
No. 232,796. Patented Sept. 28, 1880.



(No Model.)

R. SORNBERGER.
Plow Gage.

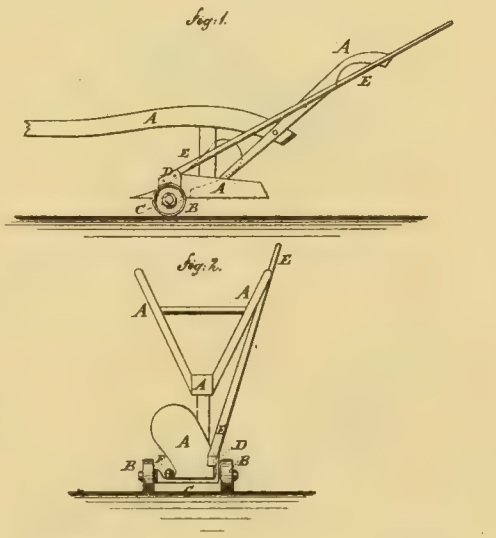
No. 233,815. Patented Oct. 26, 1880.



(No Model.)

H. C. STRONG.
Plow Truck.

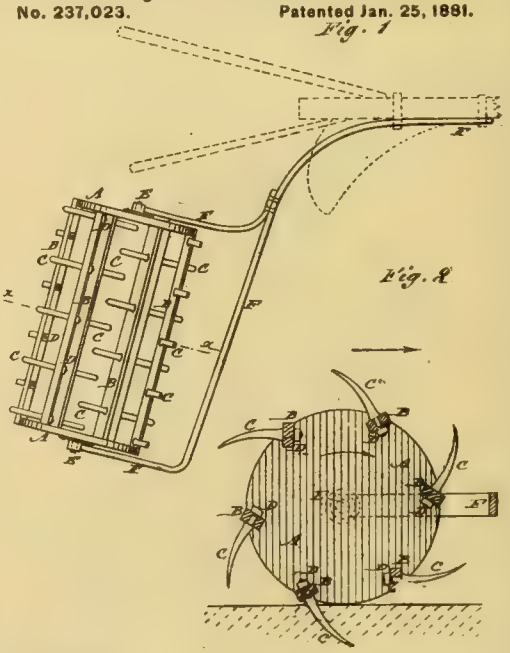
No. 234,087. Patented Nov. 2, 1880.



(No Model.)

W. G. KENNEDY, L. Z. PRESTON, F. A. MORAND & E. H. KENNEDY.
Revolving Harrow Attachment for Plows.

No. 237,023. Patented Jan. 25, 1881.



(No Model.) 2 Sheets—Sheet 1.

T. C. DODSWORTH.

CULTIVATOR ATTACHMENT FOR TWO WHEELED PLOWS.

No. 246,666. Patented Sept. 6, 1881.

Fig. 1.

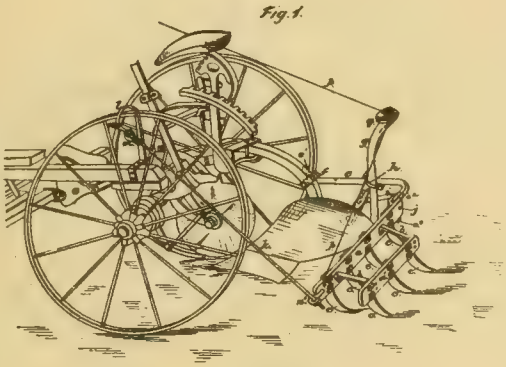


Fig. 7

Witnesses
Jas. E. Hutchinson
Howell Battle.

Inventor
Thos. C. Dodsworth
by Johnson & Johnson
Attys

(No Model.) 2 Sheets—Sheet 2.

T. C. DODSWORTH.

CULTIVATOR ATTACHMENT FOR TWO WHEELED PLOWS.

No. 246,666. Patented Sept. 6, 1881.

Fig. 2.

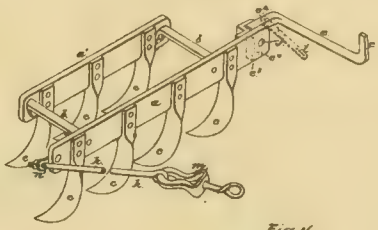


Fig. 3.

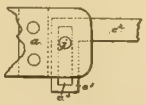


Fig. 4.

Fig. 5.

Fig. 6.

Witnesses:
Jas. E. Hutchinson
Howell Battle.

Inventor
Thos. C. Dodsworth,
by Johnson & Johnson
Attys

(No Model.)

R. UPDIKE.

PLOW ATTACHMENT.

No. 252,820. Patented Jan. 24, 1882.

Fig. 1.

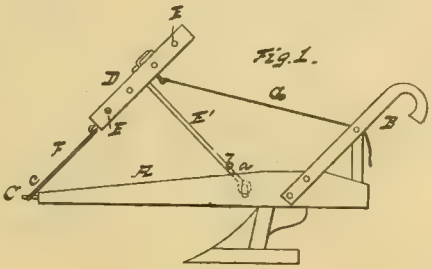


Fig. 2.

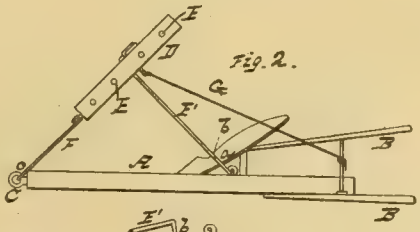


Fig. 3.

WITNESSES
E. F. Bates
James J. Sheehy

INVENTOR
R. Updike
by Anderson & Smith
his ATTORNEYS

(No Model.)

T. P. WISE.

PLOW ATTACHMENT.

No. 255,066 Patented Mar. 14, 1882.

Fig. 1.

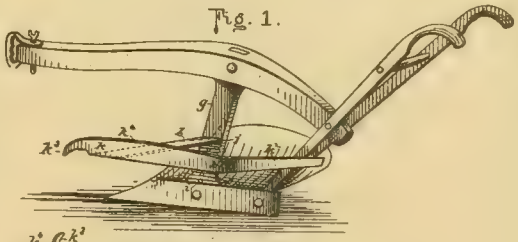


Fig. 2.

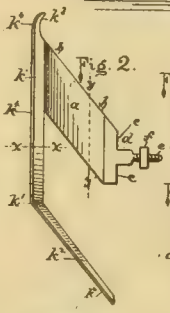


Fig. 3.

Fig. 4.

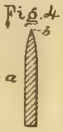


Fig. 5.

WITNESSES:
Thos. Houghton.
H. Read

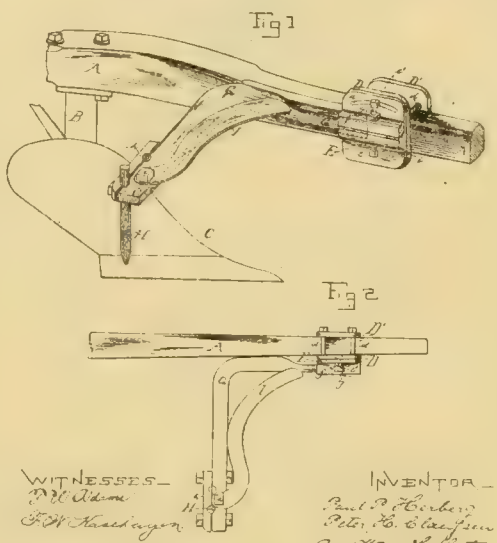
INVENTOR:
Thos. P. Wise
BY
ATTORNEYS.

(No Model.)

P. P. HERBERG & P. H. CLAUSSEN.

PLOW ATTACHMENT.

No. 255,981. Patented Apr. 4, 1882.

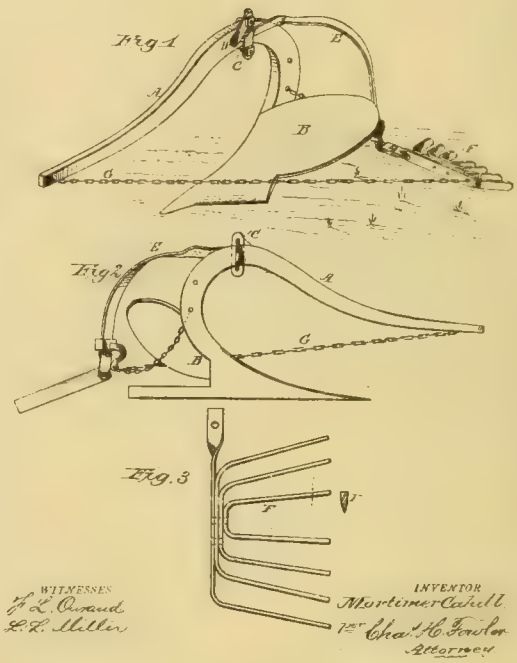


(Model.)

M. CAHILL.

HARROW ATTACHMENT.

No. 260,002. Patented June 27, 1882.



(No Model.)

P. E. PAULLIN.

AGRICULTURAL IMPLEMENT.

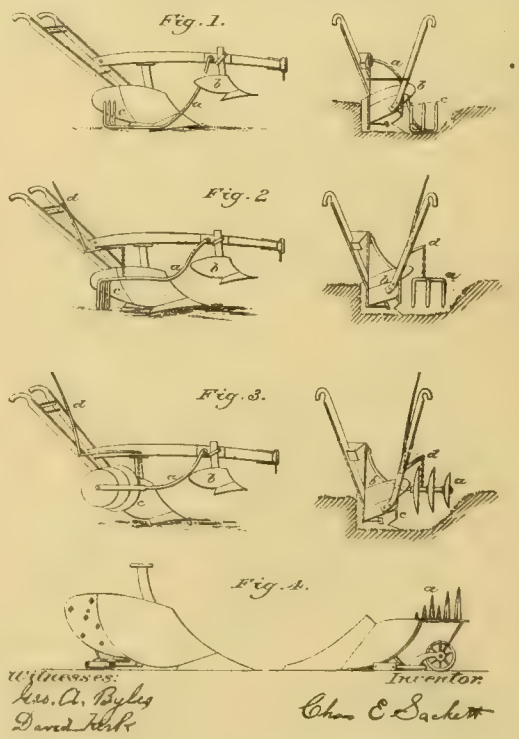
No. 267,247. Patented Nov. 7, 1882.

(No Model.)

C. E. SACKETT.

COMBINED PLOW AND PULVERIZER.

No. 268,830. Patented Dec. 12, 1882.

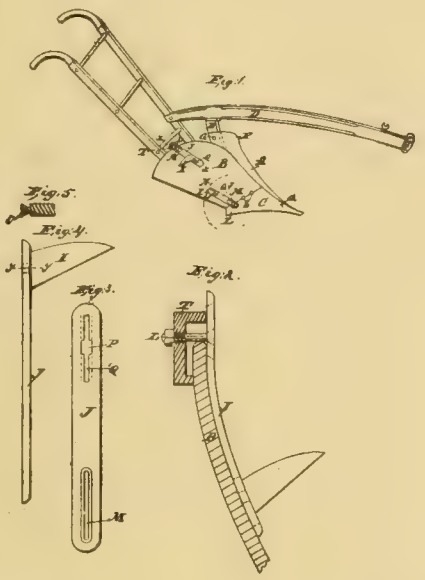


(No Model.)

J. H. MANN.

COLTER ATTACHMENT.

No. 269,436. Patented Dec. 19, 1882.



WITNESSES:
Benj. A. Bare
C. Bidgwick

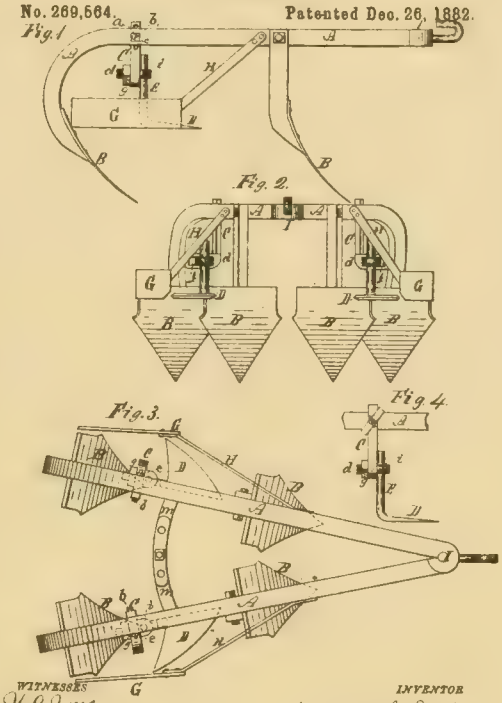
INVENTOR
J. H. Mann
BY Munn & Co.
ATTORNEY.

(No Model.)

N. C. DECKER.

CULTIVATOR.

No. 269,564. Patented Dec. 26, 1882.



WITNESSES:
H. A. Jones
A. J. Brown

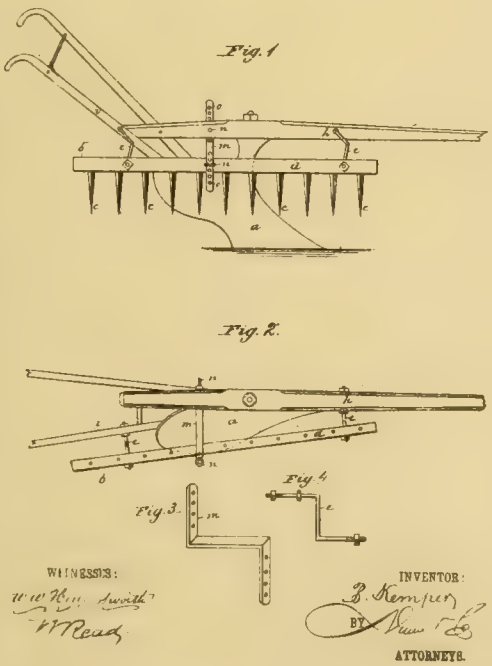
INVENTOR
Nicholas C. Decker,
J. B. Lawyer, Attorney.

(No Model.)

B. KEMPER.

CULTIVATOR.

No. 269,677. Patented Dec. 26, 1882.



WITNESSES:
W. W. Hill Smith
W. Read

INVENTOR:
B. Kemper
BY Munn & Co.
ATTORNEYS.

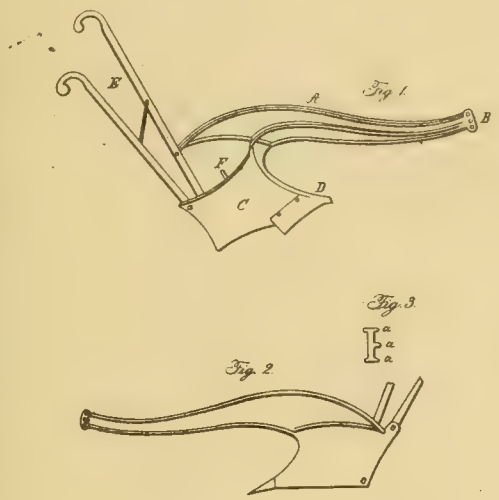
BEAMS.

	Plate	*Claim*
Alley, J. J.	30	20
Alley, J. J.	31	20
Babcock, E. H., Whiting, J. C. and Chamberlain, O. H.	29	19
Ball, A.	26	18
Ball, A.	32	21
Ball, E. Jr,	26	18
Ball, W. J.	29	19
Beach, E. O.	30	20
Boynton, J.	23	17
Brinly, T. E. C.	28	19
Buckingham, C. P.	31	20
Buckley, R. C. and Harmes, D. G.	27	18
Bump, F. E. and Gear, J. W.	29	19
Burdin, L. E.	27	18
Butterfield, J. C.	27	18
Chamberlain, W. C.	33	21
Cockshutt, J. G.	31	20
Fogelgesang, F.	25	17
French, C. M. and Fancher, W. H.	24	17
Gale, H.	28	19
Gilman, W.	25	17
Goodyear, A.	30	20
Griffith, L. B.	23	17
Hall, J. S	24	17
Houghton, J.	23	17
Hunt, F. B.	32	21
Johnson, J. A.	33	21
Kimplen, C.	27	18
McDowell, M.	28	19
McNeal, J. A.	32	21
Mathews, W. L.	29	19
Miller, S. H.	26	18
Moltrup, J. C.	24	17
Nellis, A. J.	30	20
Peck, E.	25	18
Preston, A. A.	28	19
Rickard, A.	26	18
Robinson, J.	25	17
Seegmiller, S.	32	20
Sharp, T.	23	17
Traxler, F.	24	17
Wiard, H.	31	20

J. BOYNTON.

Plow.

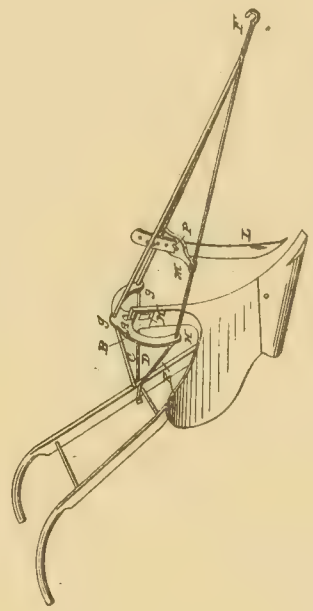
Patented July 10, 1829.



J. HOUGHTON.

Plow.

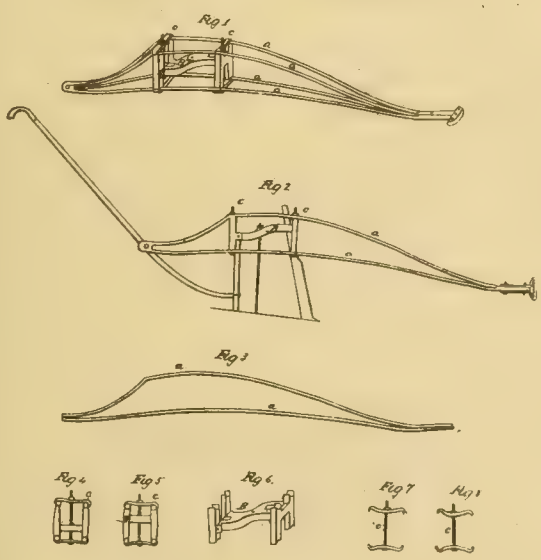
No. 2,691. Patented June 22, 1842.



L. B. Griffith.

Plow.

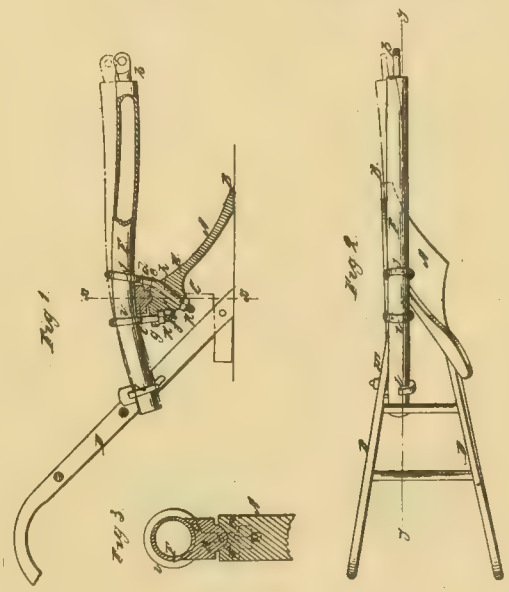
No. 10,086. Patented Oct. 4, 1853.

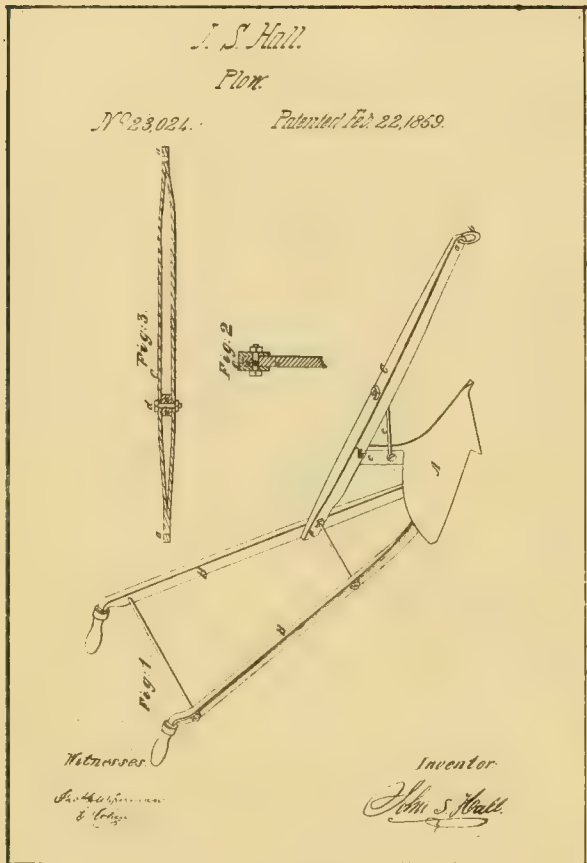


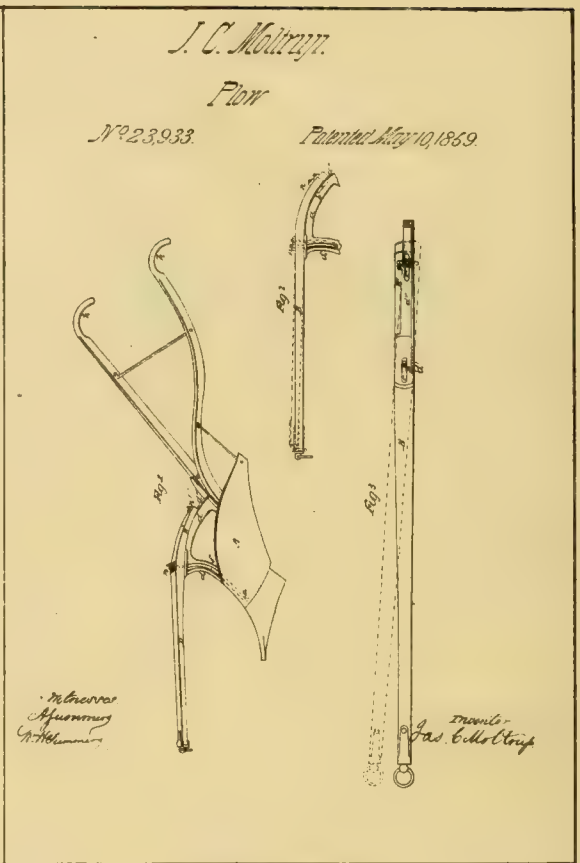
T. Sharp,

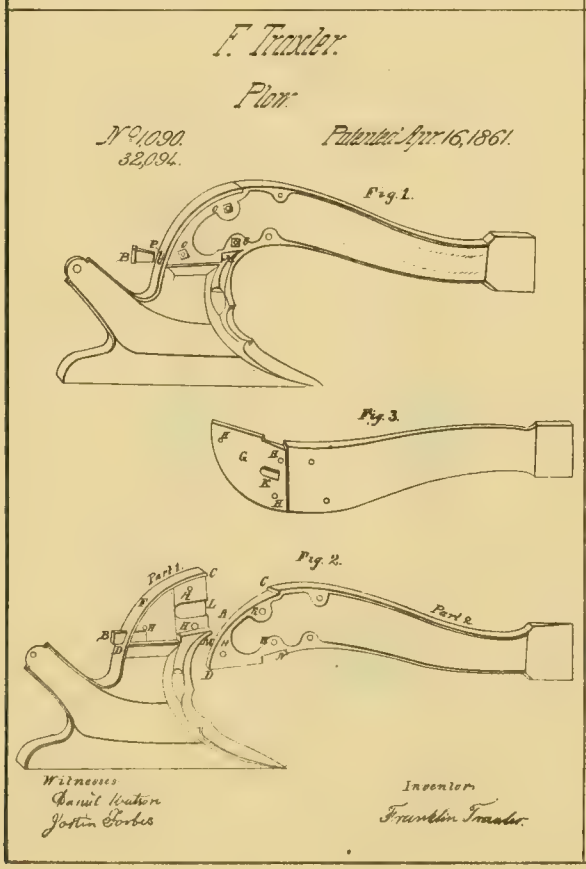
Plow.

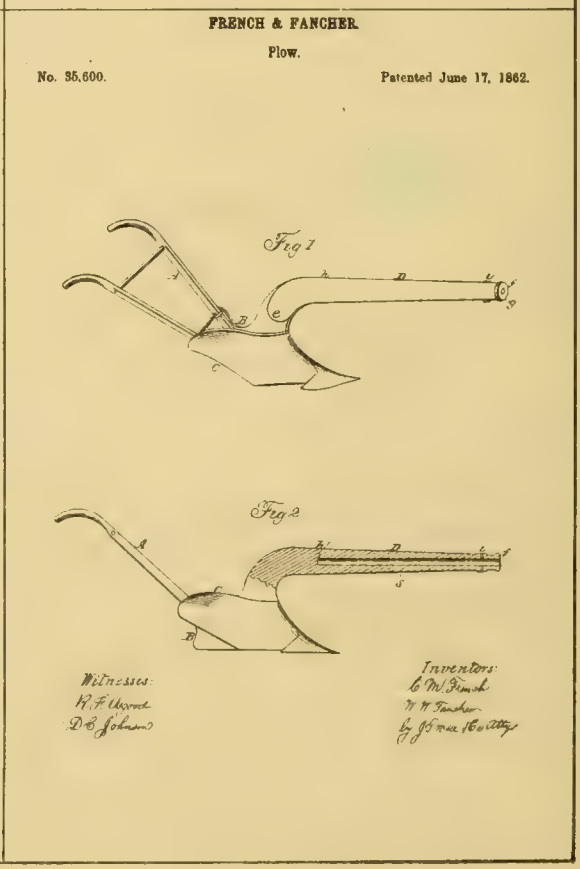
No. 18,355. Patented Oct. 6. 1857.




J. S. Hall.
Plow.
No. 23,024.
Patented Feb. 22, 1859.
Fig. 3.
Fig. 2
Fig. 1
Witnesses.
Inventor.
John S. Hall.


J. C. Moltrup.
Plow
No. 23,933.
Patented May 10, 1859.
Fig. 1
Fig. 2
Fig. 3
Witnesses
Inventor
Jas. C. Moltrup

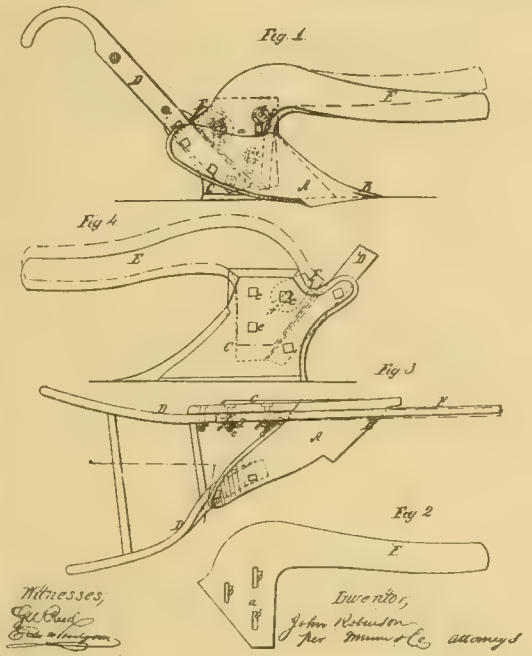

F. Traxler.
Plow.
No. 10,990.
32,094.
Patented Apr. 16, 1861.
Fig. 1.
Fig. 3.
Fig. 2.
Part 1.
Part 2.
Witnesses
Daniel Hutton
Justin Forbes
Inventor
Franklin Traxler.


FRENCH & FANCHER.
Plow.
No. 35,600.
Patented June 17, 1862.
Fig 1
Fig 2
Witnesses:
Inventors:

J. Robinson.

Plow.

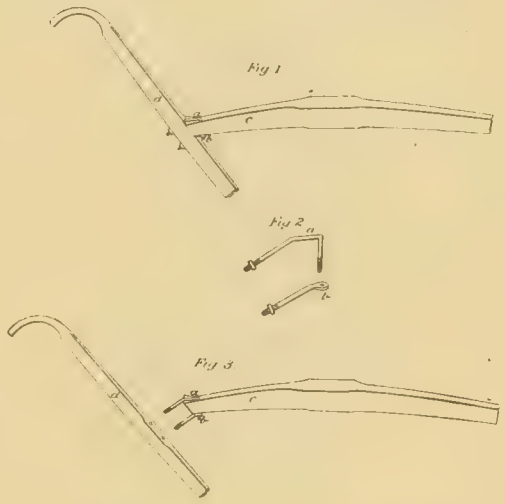
No 36,532. Patented Sep. 23, 1862.



F. Fogelgesang.

Plow.

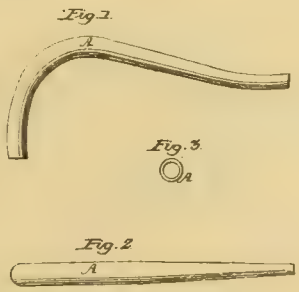
No 59,577. Patented Nov. 13, 1866.



W. GILMAN.

Plow.

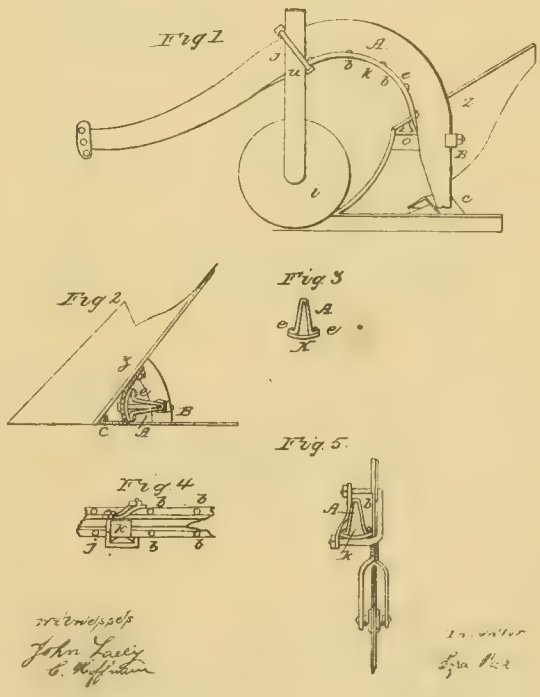
No 67,188. Patented July 30, 1867



E. PECK.

Plow.

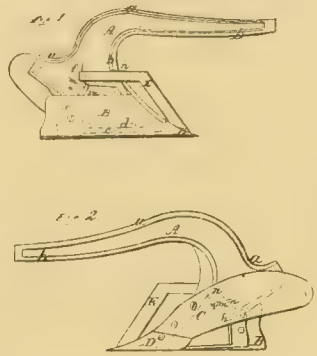
No. 82,157. Patented Sept. 15, 1868.



E. Ball Jr.

Plow.

No. 93,053. Patented Aug. 17, 1869.



Witnesses:

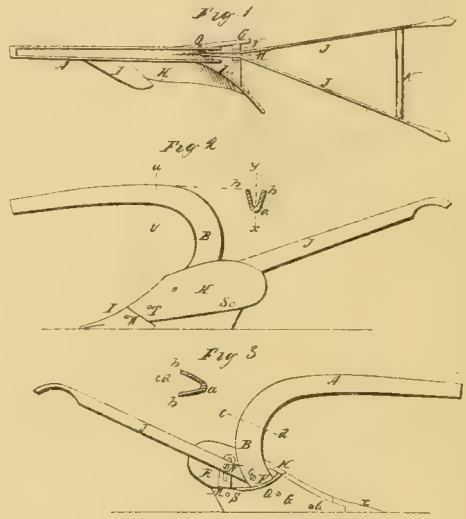
Inventor

A. Ball Jr.

A. Ball.

Plow.

No. 110,722. Patented Jan. 3, 1871.



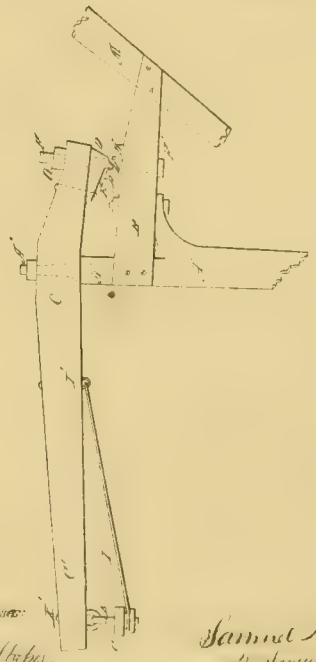
Witnesses.

Inventor.
Albert Ball
by Joh Abbott
Attorney

S. H. Miller.

Plow-Beam.

No. 111,764. Patented Feb. 14, 1871.



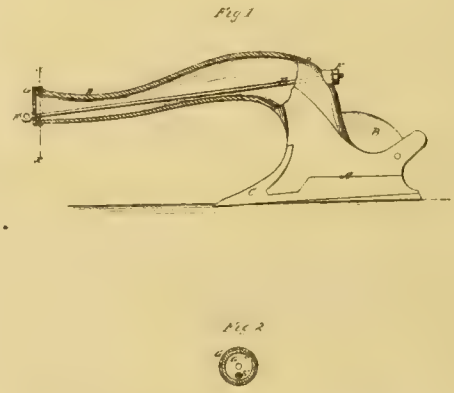
Witnesses:

Inventor.
Samuel Holden Miller
by Samuel Jacob Wallace
Attorney.

F. Fichard

Plow

No. 111,975. Patented Feb. 21, 1871.



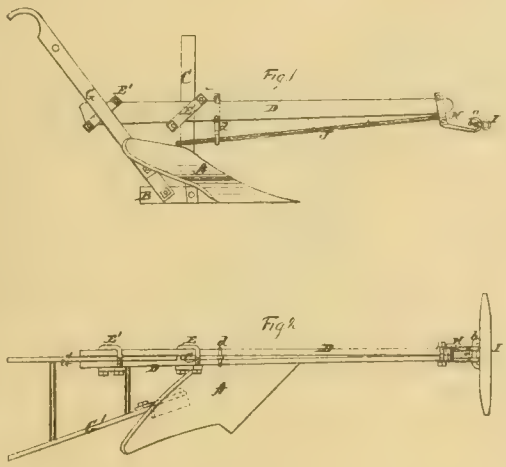
Witnesses:

Inventor:
Alex Richard
Per
Attorneys

LUTHER E. BURDIN.

Improvement in Plows.

No. 121,153. Patented Nov. 21, 1871.



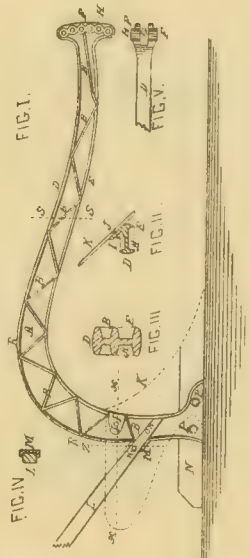
Witnesses:
Jas. E. Hutchinson
E. L. Ewert

Inventor
Luther E. Burdin
per Alexander Munson
Attyp.

J. C. BUTTERFIELD.

Plow-Beams.

No. 150,524. Patented May 5, 1874.



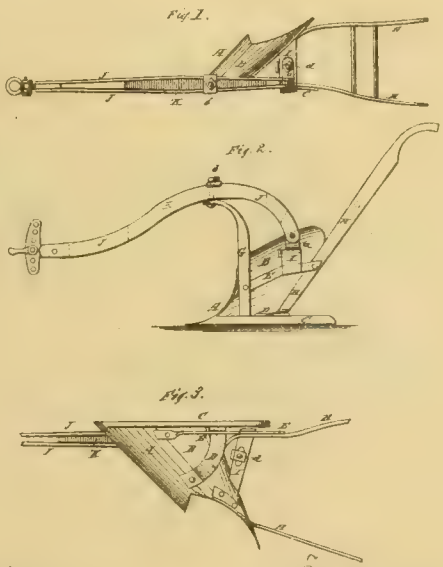
WITNESSES
G. L. Chapin
W. E. Elliot

INVENTOR
John. C. Butterfield

R. C. BUCKLEY & D. G. HARMS.

Plows.

No. 156,331. Patented Oct. 27, 1874.



WITNESSES.
P. C. Dillard
H. C. Fleet

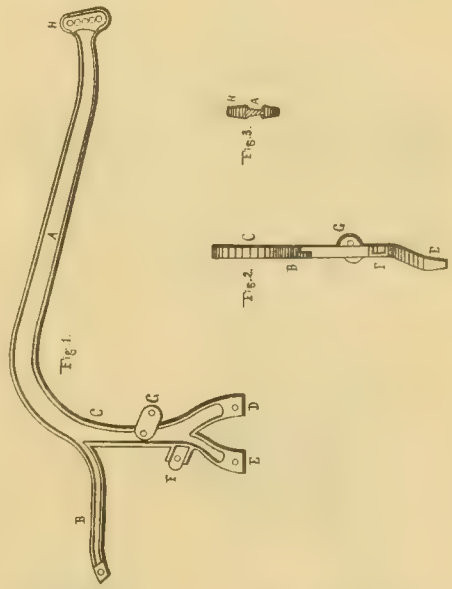
INVENTOR
Robert C. Buckley
Daniel G. Harms

Per C. H. Walton & Co.
ATTORNEYS.

C. KIMPLEN.

Plow-Beams.

No. 158,642 Patented Jan. 12, 1875



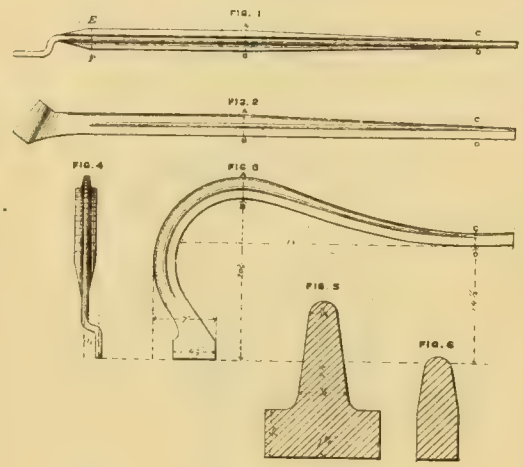
Witnesses
E. Fitch
Q. W. Bond.

Cornelius Kimplen
Inventor

M McDOWELL.

Metal Plow-Beams.

No. 158,725. Patented Jan. 12, 1875.



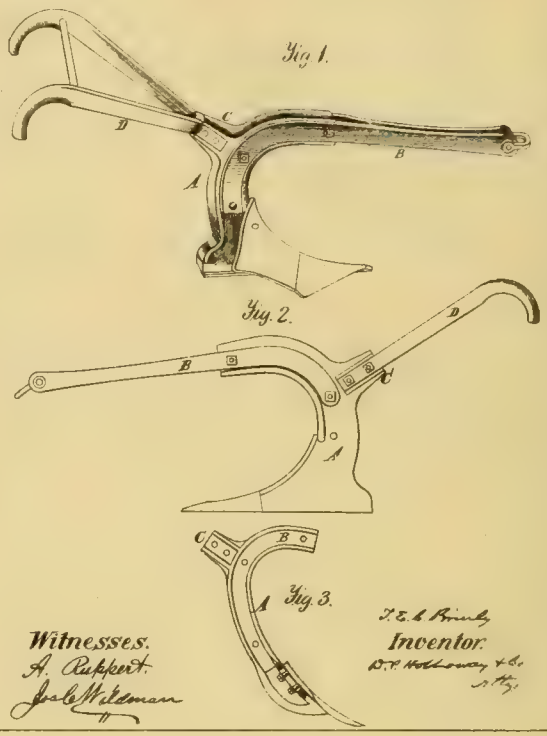
Witnesses.

Malcolm McDowell
Inventor.

T. E. C. BRINLY.

PLOW.

No. 170,516. Patented Nov. 30, 1875.



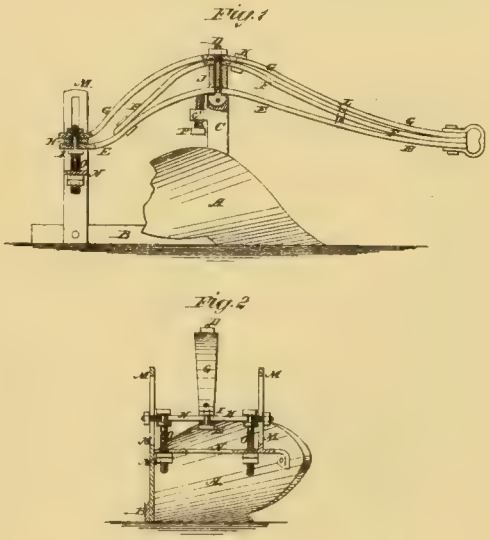
Witnesses.
A. Rippert.
Jos. Wildeman

T. E. C. Brinly
Inventor.
D. P. Holloway & Co.
Atty.

A. A. PRESTON.

PLOWS.

No. 180,634. Patented Aug. 1, 1876.



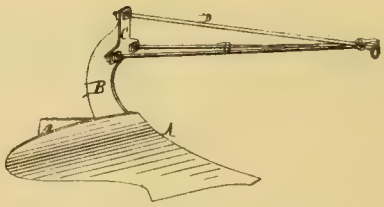
WITNESSES:
Thomas McCall.
John Goethals

INVENTOR:
A. A. Preston
BY
Munn & Co
ATTORNEYS.

H. GALE.

PLOW

No. 189,722. Patented April 17, 1877.

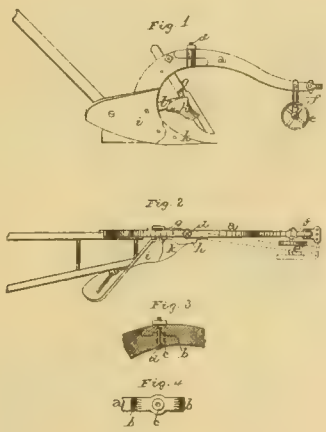


Attest:
Edward Barfell
Charles Hewel

Inventor.
H. Gale
By Atty
Wm. J. Kemp.

W. L. MATHEWS
Plow.

No. 198,773. Patented Jan. 1, 1878.

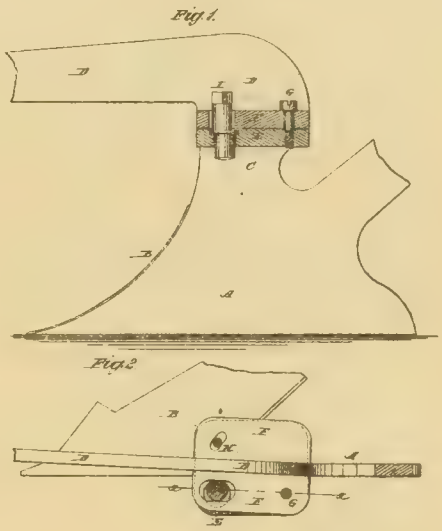


WITNESSES
J. W. Garner
Wm. H. Kew

INVENTOR
Wm. L. Mathews
per
F. A. Lehmann
Atty

E. H. BABCOCK, J. C. WHITING & O. H. CHAMBERLAIN
Plow.

No. 199,398. Patented Jan. 22, 1878.

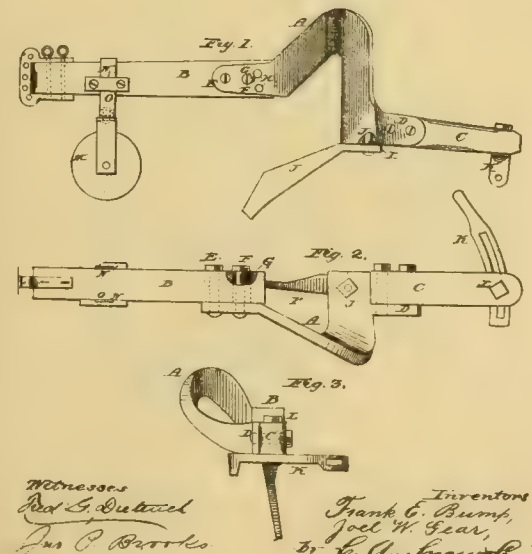


WITNESSES:
Francis M. Wadsworth
J. H. Scarborough

INVENTORS
E. H. Babcock.
J. C. Whiting
O. H. Chamberlain
BY
Munn & Co.
ATTORNEYS.

F. E. BUMP & J. W. GEAR.
Plow-Beam.

No. 207,497. Patented Aug. 27, 1878.

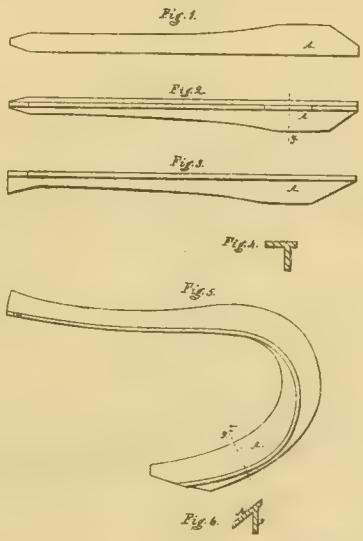


Witnesses
Robt. G. Dutton
Jas. P. Brooks

Inventors
Frank E. Bump,
Joel W. Gear,
By C. A. Snow & Co.
Attorneys

W. J. BALL.
Plow-Beam.

No. 214,986. Patented May 6, 1879.

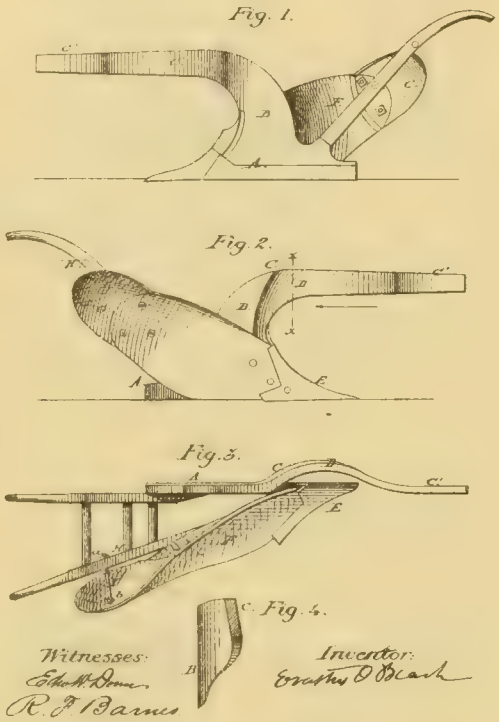


Witnesses
A. R. Johnston
A. S. Hopkins

Inventor
William J. Ball
By Johnston & Dorr
His Attorneys

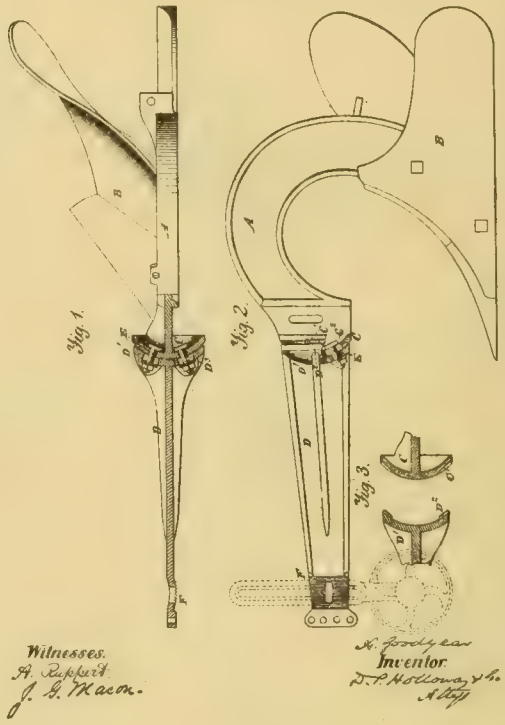
E. O. BEACH.
Plow.

No. 215,715. Patented May 27, 1879.



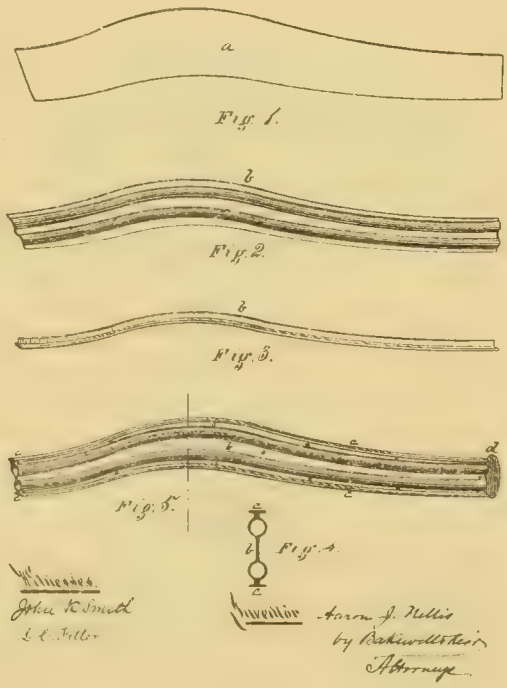
A. GOODYEAR.
Plow.

No. 218,517. Patented Aug. 12, 1879.



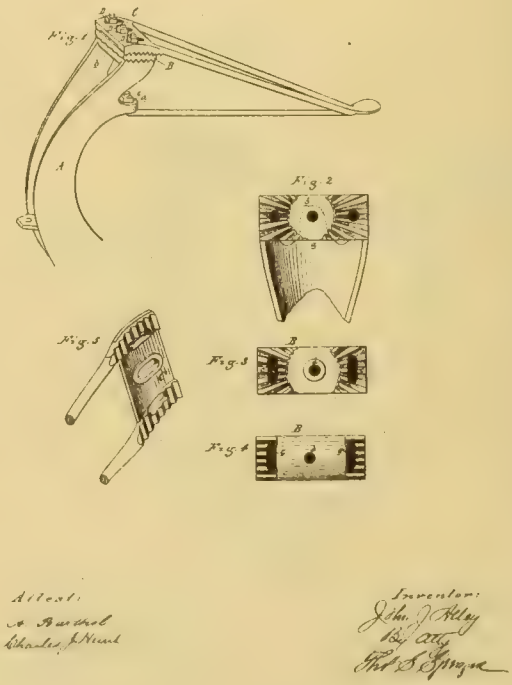
A. J. NELLIS.
Plow-Beam.

No. 219,006. Patented Aug. 26, 1879.



J. J. ALLEY.
Plow.

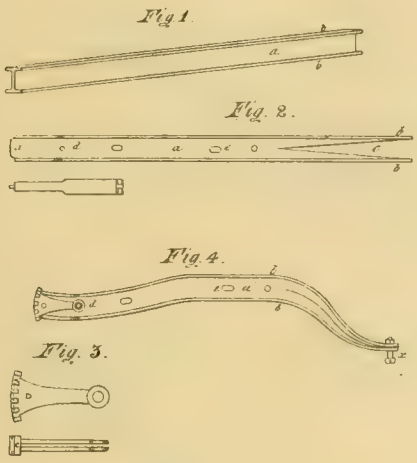
No. 226,150 Patented April 6, 1880.



(No Model.)

H. WIARD.
Plow Beam.

No. 229,216. Patented June 22, 1880.



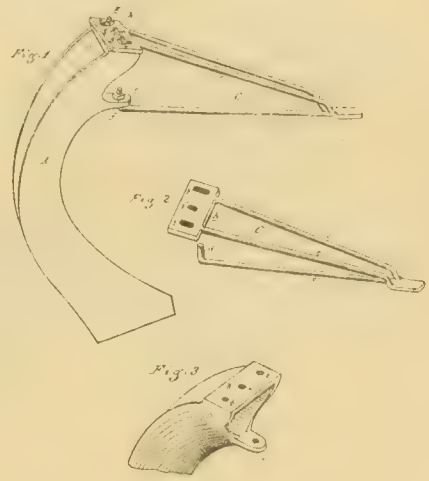
Witnesses:

Inventor

(No Model.)

J. J. ALLEY.
Plow.

No. 230,457. Patented July 27, 1880.



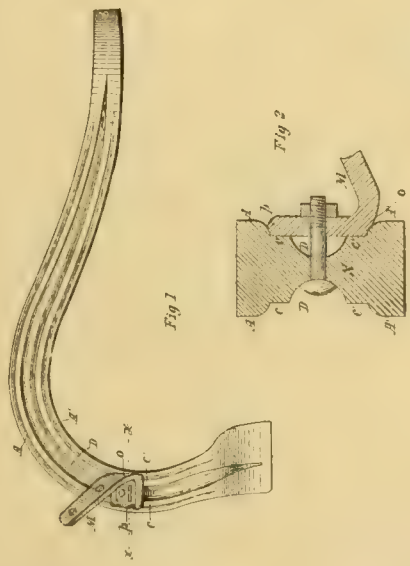
Attest

Inventor

(No Model.)

C. P. BUCKINGHAM.
Plow Beam.

No. 231,147. Patented Aug. 17, 1880.



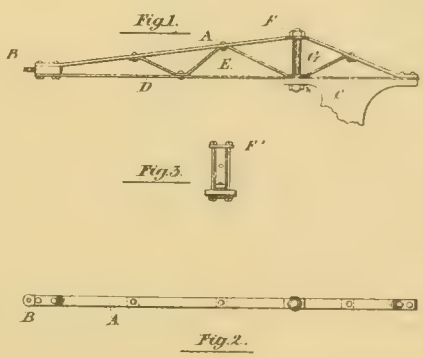
Witnesses

Inventor
Catharinus P. Buckingham
By Wm Buckingham
Attorney

(No Model.)

J. G. COCKSHUTT.
Wrought Iron Plow.

No. 238,651. Patented March 8, 1881.



Witnesses.

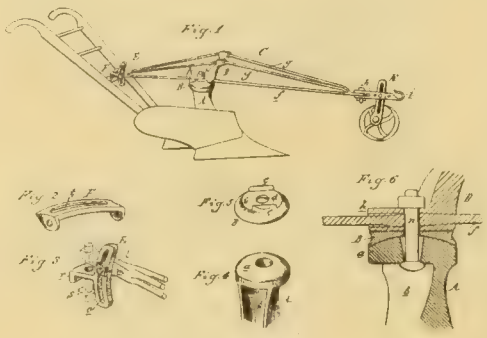
Inventor.

(No Model.)

S. SEEGMILLER.

Plow.

No. 242,844. Patented June 14, 1881.



Attest:
J. Gardiner
J. Emil Mayer

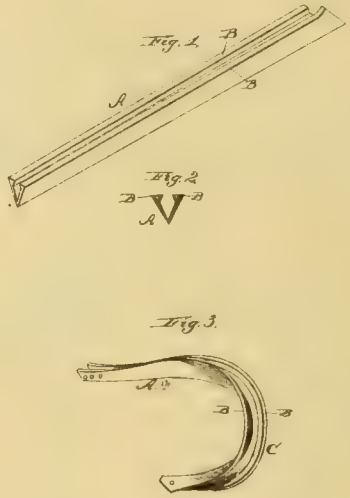
Inventor:
Samuel Seegmiller
by Thos. S. Sprague
Att'y

(No Model.)

A. BALL.

PLOW BEAM.

No. 246,363. Patented Aug. 30, 1881.



Witnesses:
William J. Rees
Frederick W. Bond

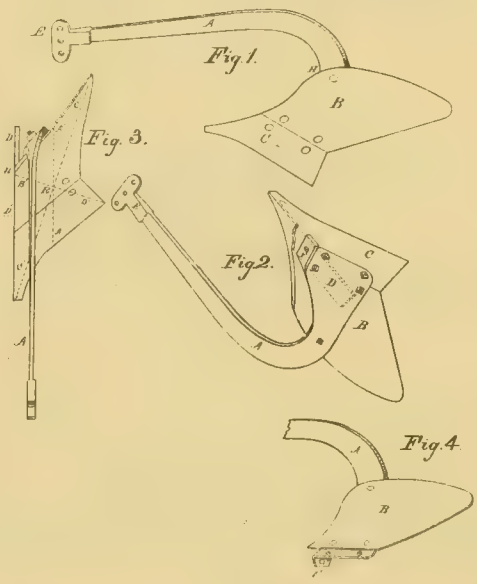
Inventor
Albert Ball
per
Frederick W. Bond
Attorney.

(Model.)

F. B. HUNT.

PLOW.

No. 253,055. Patented Jan. 31, 1882.



Witnesses.
Aldison H. Study
P. M. Horsington

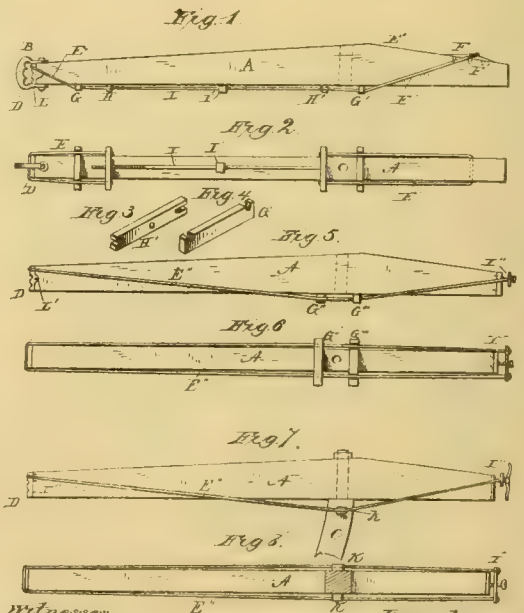
Inventor.
Franklin B. Hunt

(No Model.)

J. A. McNEAL.

CLAMP FOR PLOW BEAMS.

No. 253,407. Patented Feb. 7, 1882.



Witnesses.
P. C. Dorsey
J. Gormley

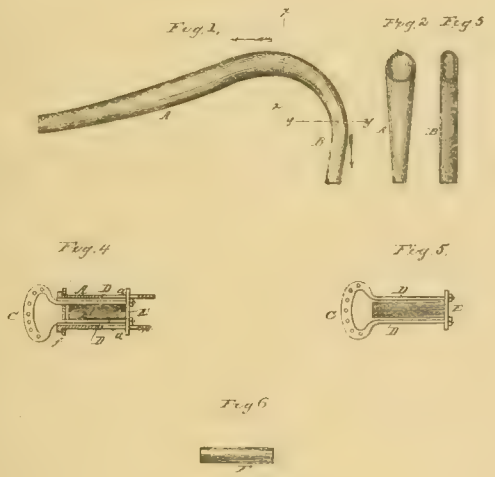
Inventor
John A. McNeal

(No Model.)

J. A. JOHNSON.

PLOW BEAM.

No. 263,528. Patented Aug. 29, 1882.



WITNESSES:

Rd. S. Dutton

Geo. Thorell.

John A. Johnson

INVENTOR.

by Louis Bagger & Co.

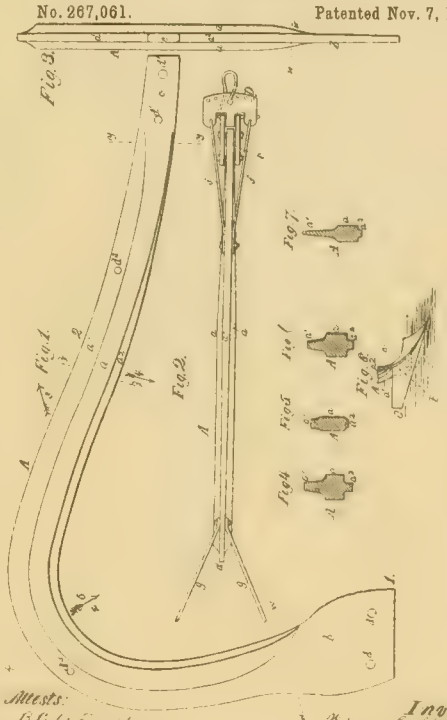
ATTORNEYS.

(No Model.)

W. C. CHAMBERLAIN.

PLOW BEAM.

No. 267,061. Patented Nov. 7, 1882.



Witnesses:

B. Clarke Emmons

R. H. Hancock

Inventor

William C. Chamberlain

by his Attys.

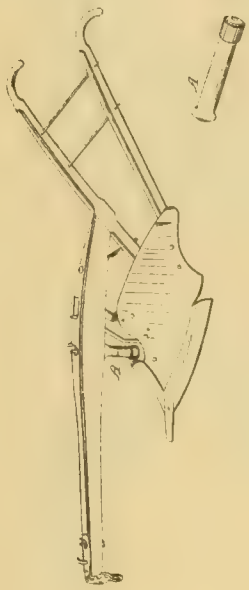
Emmons & Lawrence

	Plate	Claim
Batchelder, W., J. M. and Leiber, C.	43	34
Bills, E. C. Jr.	40	33
Black, A. C.	46	36
Blatchley, N.	39	33
Blue, H.	51	37
Boggs, A. B.	54	38
Burr, G. W.	49	37
Clarke, G. B.	42	34
Clarke, G. B.	53	38
Cockley, D.	41	33
Coombs, W. G.	48	36
Cornell, T. J.	42	34
Deal, J. J. and Hobbs, S.	51	37
Denise, S. T.	45	35
Devereaux, C. P.	45	35
Dock, J. F.	52	38
Dyer, C. V.	53	38
Eccles, W. M.	48	30
Elward, J. H.	46	35
Ford, E. T.	42	34
Gautier, F.	54	39
Gehr, J.	41	33
Gibbs, G.	44	35
Gingrich, J. K.	42	34
Gitt, D. D.	40	33
Glasoe, O. J.	51	37
Godfrey, S. T.	47	36
Gordon, C. M.	49	37
Groom, R.	48	36
Harper, C. A.	46	36
Harris, S. M.	52	38
Hibbs, J.	40	33
Huntington, W. S.	44	35
Jameson, J.	45	35
Mattoon, A. B.	47	36
Metcalfe, W. W.	39	33
Miles, J. and E. P.	44	35
Miles, J. and E. P.	47	36
Norris, J. B.	50	37
Patterson, J. A. B.	46	36
Paul, D. H.	47	36
Phillips, B. F.	53	38
Place, J. B.	50	37
Reasin, J. F.	39	33
Rector, H. T.	53	38
Reeder, A.	41	33
Stone, W. H.	49	37
Storm, J. H.	52	38
Storm, J. H.	52	38
Terrel, T.	43	35
Thompson, N. S.	49	37
Van Duine, M. and De Jonge, J.	48	36
Vaughan, G. B.	50	37
Veber, W. Jr.	43	35
Wallace, J.	45	35
Wallis, T. and Case, O. J.	51	38
Warren, D.	40	33
Warren, O. F.	43	35
Webber, A. P.	50	37
Witherow, S.	39	33
Woodcock, B.	41	34
Zeller, W. and Lechner, R.	44	45

S. WITHEROW.

Plow-Cleaner.

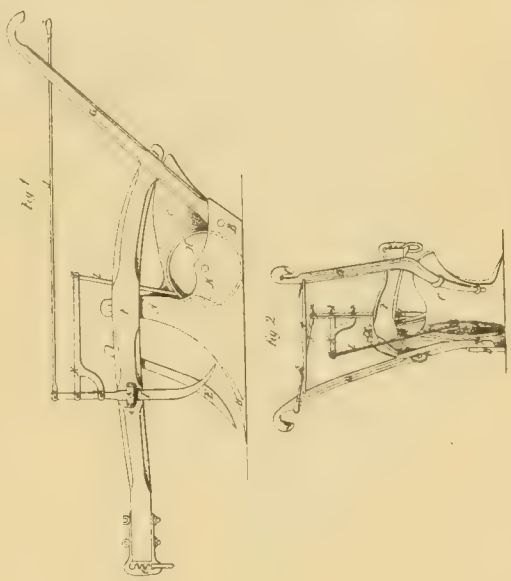
Patented Jan. 15, 1836.



W. W. Metcalfe

Plow Cleaner

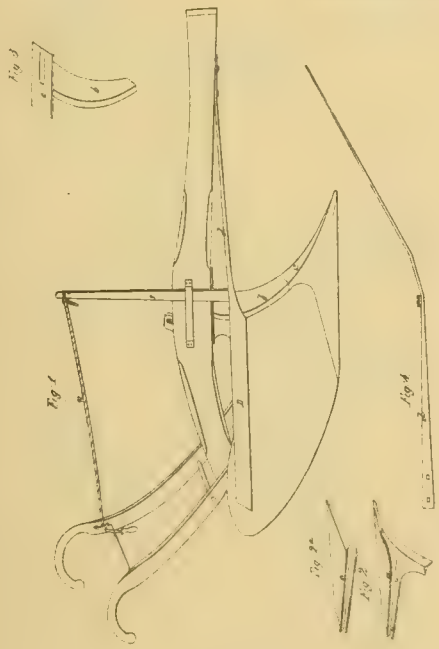
No. 5,855 Patented Oct. 17, 1848.



J. Blatchly

Plow Cleaner

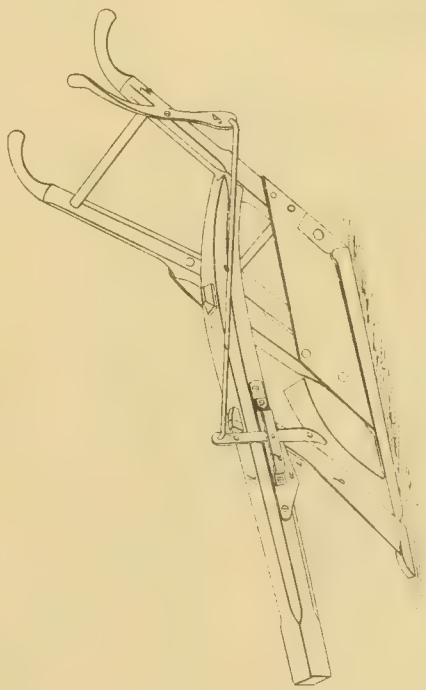
No. 6,973. Patented Dec. 19, 1848.



J. F. Reasin.

Plow Cleaner.

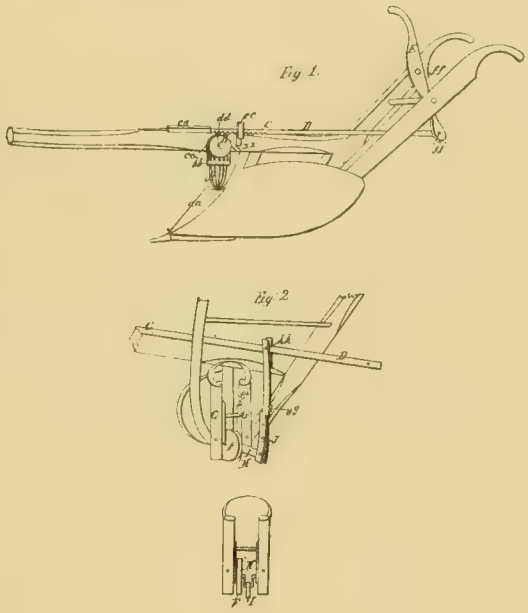
No. 7,274. Patented Apr. 9, 1860.



D. D. Gitt.

Plow Cleaner.

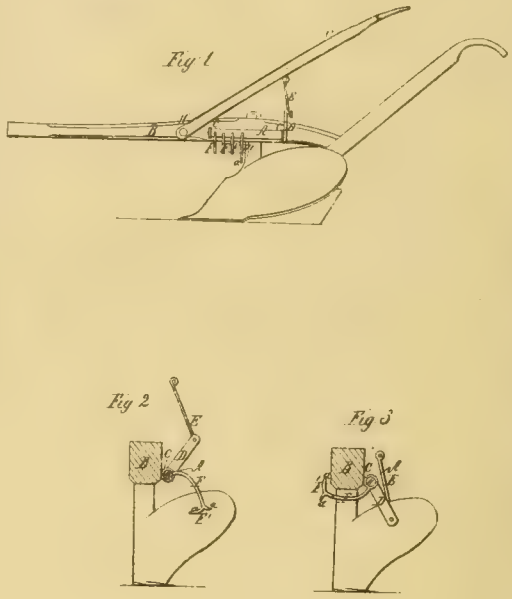
No. 7,344. Patented May 7, 1850



D. Haven,

Plow Cleaner.

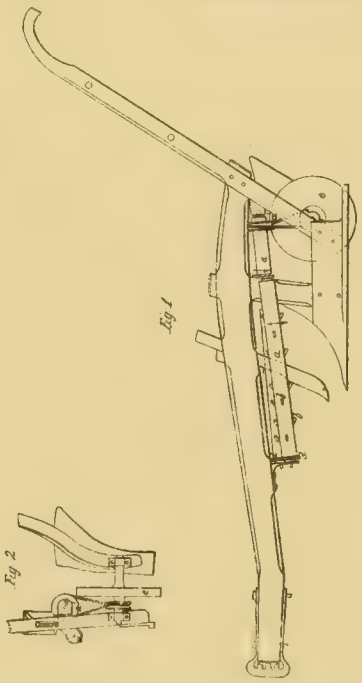
No. 7,640. Patented Sept. 10, 1850.



J. Hibbs.

Plow Cleaner.

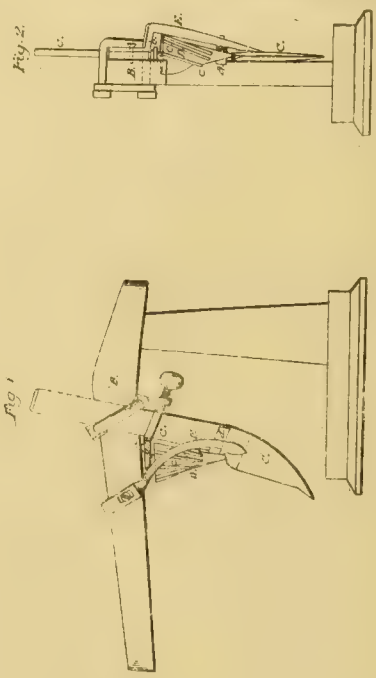
No. 11,935 Patented Nov. 14, 1854.



E. C. Bills, Jr.

Plow Coulter.

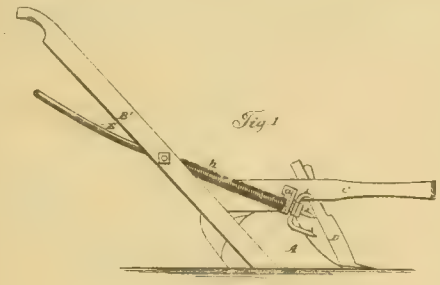
No. 16,919. Patented Oct. 21, 1856.

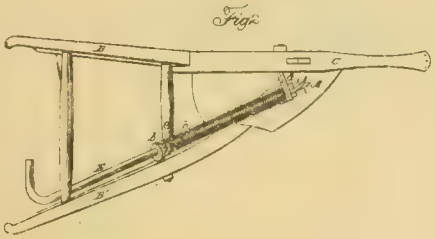


A. REEDER.

Plow-Cleaner.

No. 20,300. Patented May 18 1858.

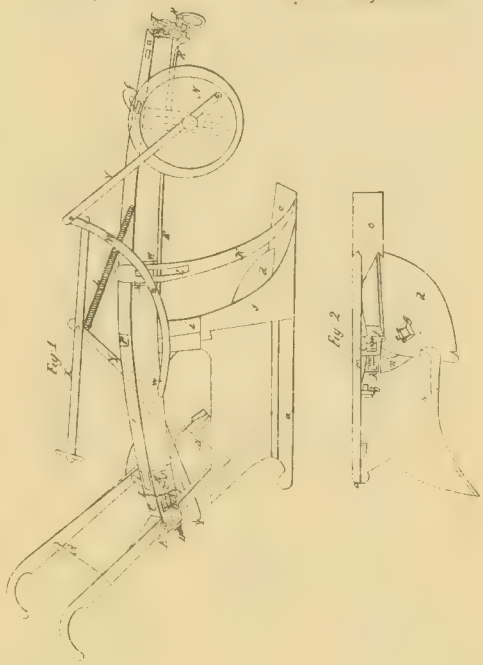




D Cushing

Plow Cleaner.

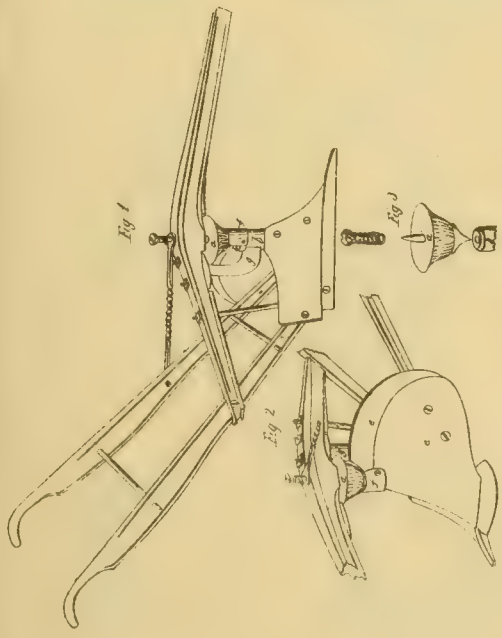
No 21,598. Patented Sep.t 28. 1858



J Gehr.

Plow Cleaner.

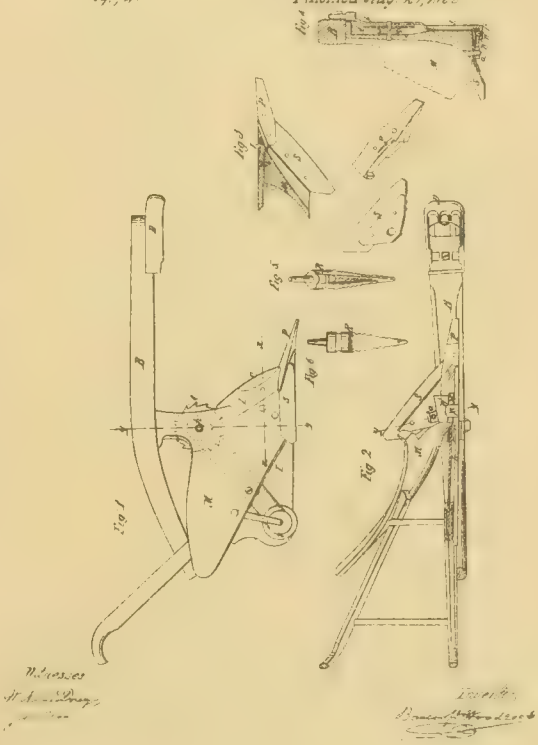
No 21,953 Patented Nov 2. 1858



B Woodcock

Plow Cleaner.

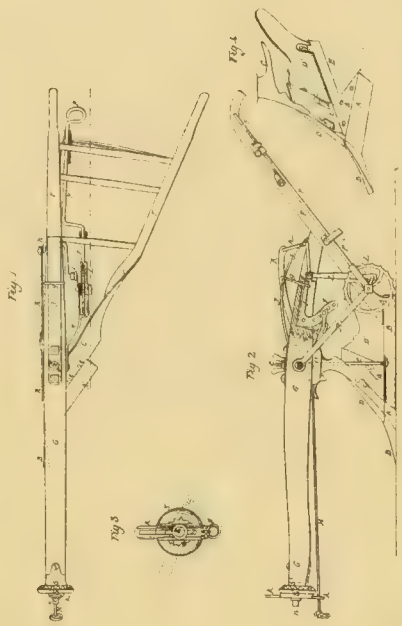
No 24,741 Patented Aug 21, 1860



J. K. Gingrich.

Plow.

No. 448 34,458. Patented Feb. 19, 1861.



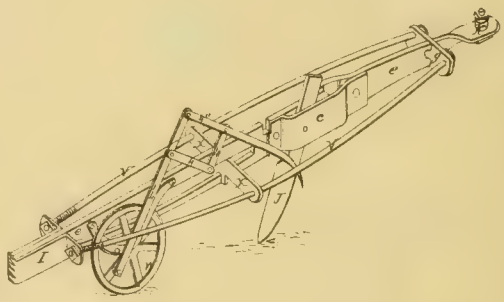
Witnesses
Jonathan Gibbs
E. S. Johnson

Inventor
J. K. Gingrich
per Munn & Co
Att'ys

E. T. Ford,

Plow Cleaner.

No. 35,147. Patented May 6, 1862.



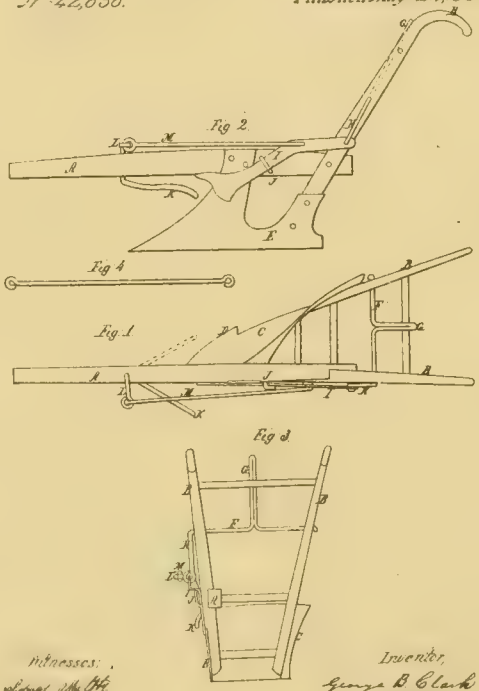
Witnesses;
B. H. Prinipes
Thos. Hogarty

Inventor,
E. T. Ford

C. B. Clark.

Plow Cleaner.

No. 42,838. Patented May 24, 1864.



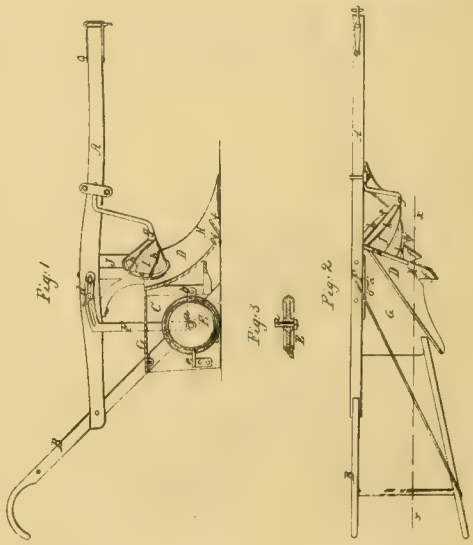
Witnesses:
Chas. McCoy
J. E. Dennis

Inventor,
George B. Clark
By his Atty. A. Dennis Jr.

T. J. Cornell.

Plow Cleaner.

No. 52,807. Patented Feb. 20, 1866.



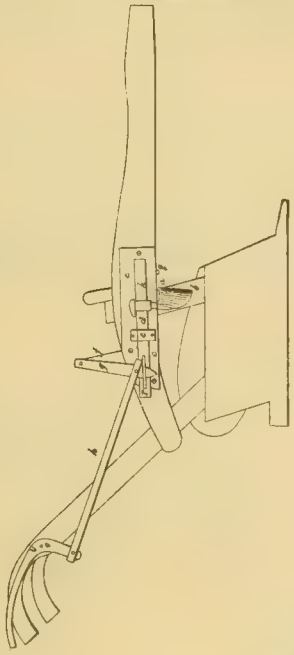
Witnesses
Wm. Freeman
J. W. Livingston

Inventor
T. J. Cornell
By Munn & Co
Att'ys

Batchelder & Leiber.

Plow Cleaner.

No. 53,100 Patented Mar. 13, 1866.



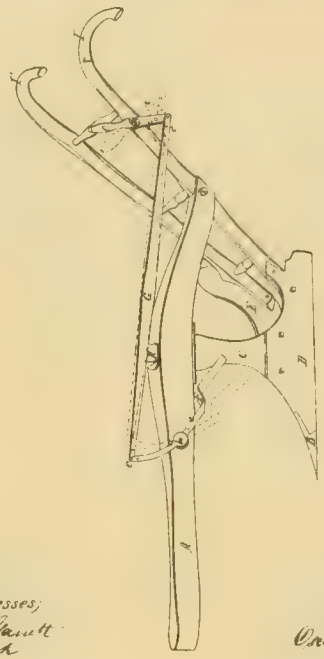
Witnesses:
J. H. Boggs
Geo. T. Lemiller

Inventors:
William A. Batchelder
Christian Leiber

O. F. Warren.

Plow Cleaner.

No. 56,296. Patented Jul. 10, 1866.



Witnesses;
Peter G. Gamett
L. C. Adams

Inventor,
Oscar F. Warren

T. Terrel,

Plow Cleaner.

No. 57,216. Patented Aug. 14, 1866.

Fig. 1.

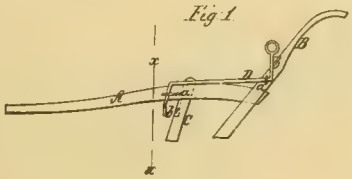


Fig. 2.

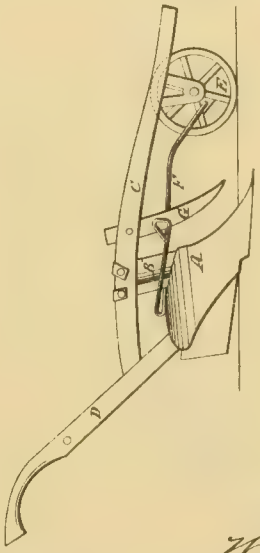
Witnesses;
Jas. A. Service
J. W. B. Langston

Inventor;
Timothy Terrel
Per
Munn & Co
Attorneys

W. Veber, Jr.

Plow Cleaner.

No. 58,323. Patented Sep. 25, 1866.



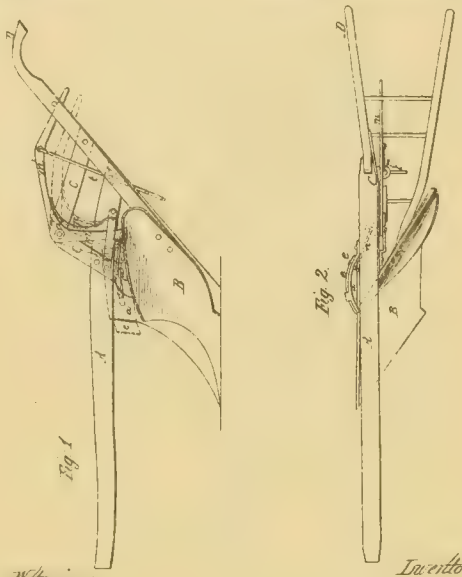
Witnesses.
Wm. Dean Overell
J. A. Service

Inventor:
W. Veber
Per Munn & Co
Attys

J. & E. P. Miles.

Plow Cleaner

No. 61,033. Patented Jan. 8 1867.



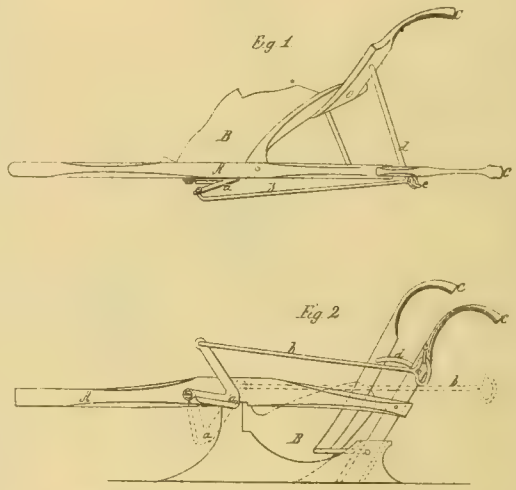
Witnesses,
Thos. Tusch
J. Adservice

Inventors,
J. Miles
E. P. Miles
Per Munn & Co
Attorneys

W. S. Huntington,

Plow Cleaner.

No. 61,203. Patented Jan. 15. 1867.



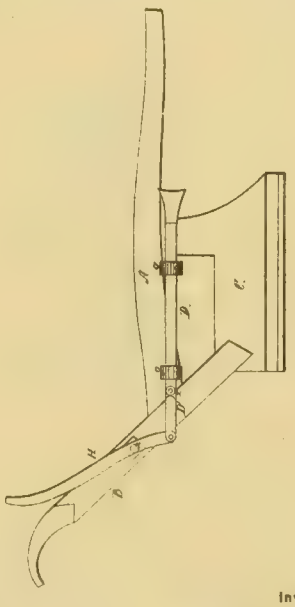
Witnesses,
Thos. Tusch
J. Adservice

Inventor,
Wm S. Huntington
Per Munn & Co
Attorneys

ZELLER & LECHNER.

Plow-Cleaner.

No. 63.838. Patented Apr. 16, 1867.



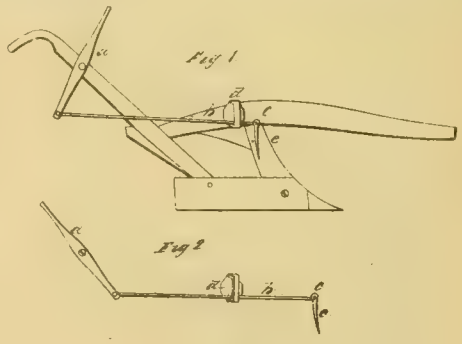
Witnesses.
Wm Lockhart
A. H. Spaulding

Inventor.
Wm Zeller. R. Lechner
per Alexander Tusson Atty.

C. Gibbs.

Plow Cleaner.

No. 64,213. Patented Apr. 30, 1867.



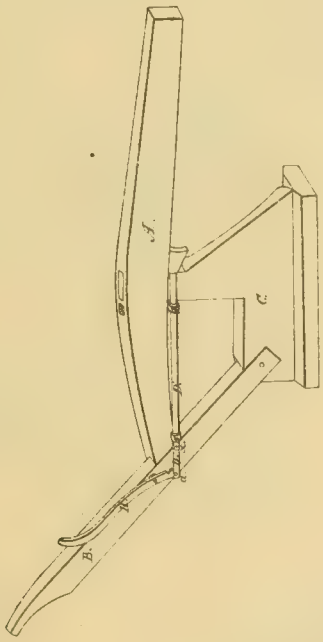
Witnesses
Daniel Mercer
Geo. H. Rapp

Inventor
Geo Gibbs

J. WALLACE.

Plow-Cleaner.

No. 66,109. Patented June 25, 1867.



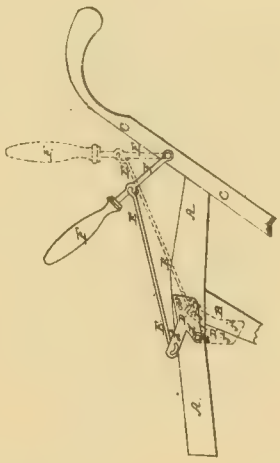
Witnesses:

Inventor:

C. P. DEVEREAUX.

Plow-Cleaner.

No. 66,809. Patented July 16, 1867.



WITNESSES:

INVENTOR:

J. JAMESON.

Plow Cleaner.

No. 67,550. Patented Aug. 6, 1867.

Fig. 1.

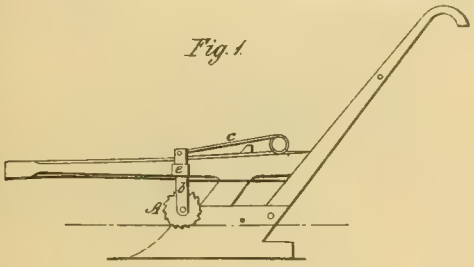
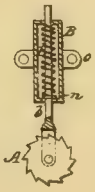


Fig. 2.



Witnesses:

Inventor:

S. T. Denise. Plow.

71715 PATENTED DEC 3 1867

Fig. 1.

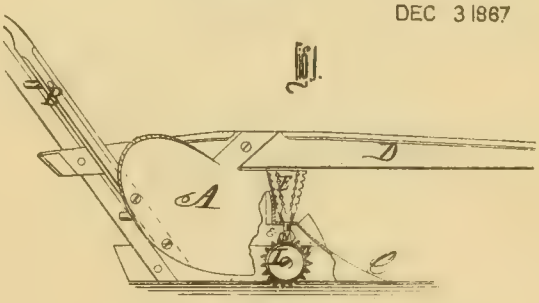
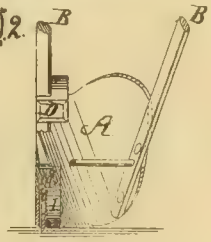


Fig. 2.



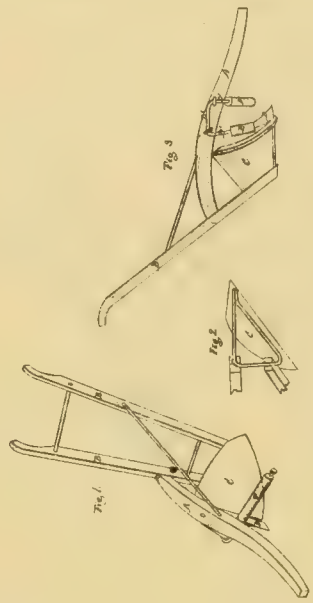
Witnesses:

Inventor:

J. H. Elwood,

Plow Coulter.

No. 83,768 Patented Nov. 3. 1868.



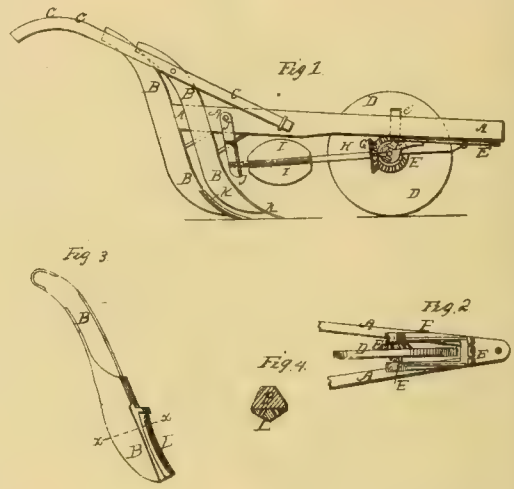
Witnesses
H. H. Sprague

J. H. Elwood
Inventor
by
D. F. Hollington
his Atty.

C. A. Harper.

Plow Cleaner

No. 84,823 Patented Dec 5, 1868.



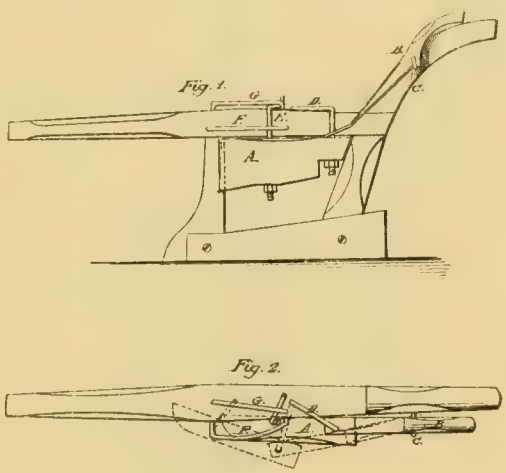
Witnesses
S. C. Jones
Geo. Smith

Inventor
C. A. Harper
by Munn & Co
Attorneys

J. A. E. Patterson,

Plow Cleaner.

No. 89,237. Patented Apr. 20. 1869.



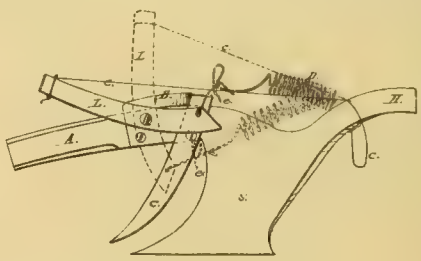
Witnesses:
C. W. Goodale
A. H. Clark

Inventor
Jas. A. E. Patterson
by
Munn & Co.
Attys

A. C. Black.

Plow Cleaner.

No. 90,488. Patented May 25, 1869.



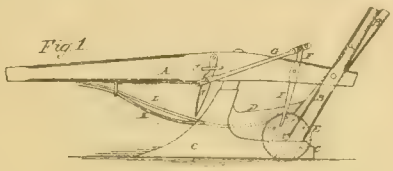
Witnesses:
C. C. Bradley
E. W. Howard

Inventor:
Andrew C. Black.
by
Chas. F. Stansbury,
Attorney.

S. T. Godfrey,

Flow Cleaner.

No. 91,328. Patented June 15, 1869.



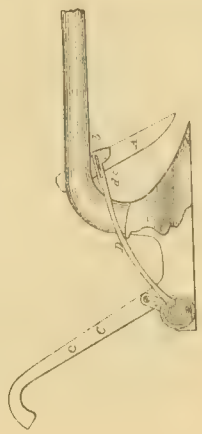
Witnesses
H. W. Hungerford
Jno. F. Roots

Inventor
S. T. Godfrey
Munn & Co

A. F. Mallory

Coulter Cleaner.

No. 91,464. Patented June 15, 1869.



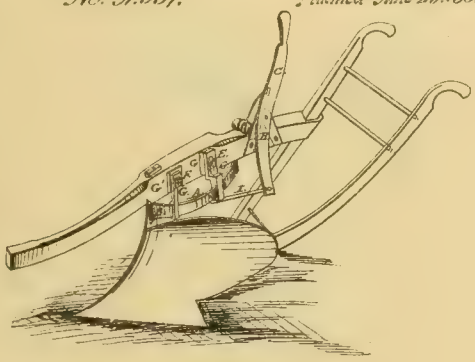
Witnesses
Paul P. Lerner
Geo. W. Rothwell

Inventor
Alfred Mallory
By Munn & Co Attys

J. & E. P. Miles,

Flow Cleaner.

No. 91,957. Patented June 29, 1869.



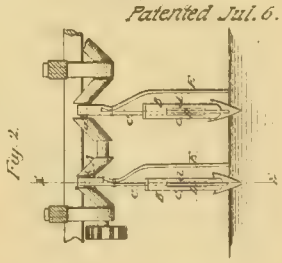
Witnesses:
H. W. Hungerford
O. Hinchman

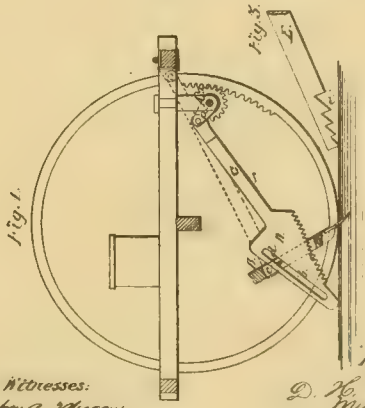
Inventors:
J. Miles
E. P. Miles
per Munn & Co
Attorneys

D. H. Paul,

Cultivator,

No. 92,350. Patented Jul. 6. 1869.

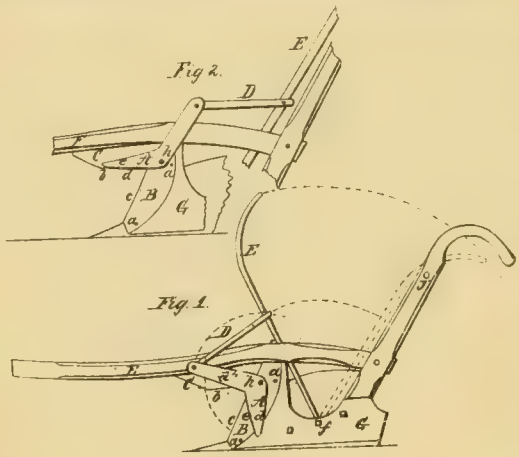




Witnesses:
Wm. A. Wagner
G. C. Crotlow

Inventor:
D. H. Paul.
per Munn & Co
Attorneys.

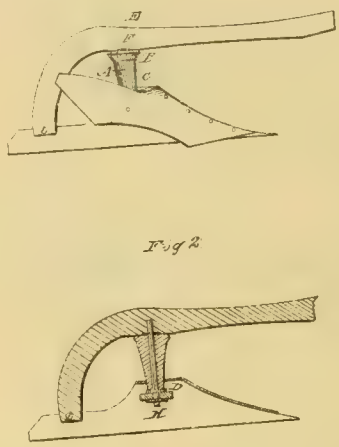
R. Groom.
Plow Cleaner.
No. 92,959. Patented Jul. 27 1869



Witnesses,
M. Frankel
Hanns Stiefel

Inventor,
Richard Groom

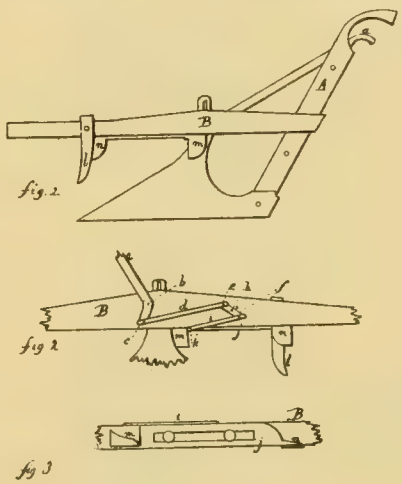
W. M. ECCLES.
Plow Cleaner.
No. 105,660. Patented July 26, 1870.



Witnesses
E. W. Gustin
Mysodell

Inventor
H. M. Eales
per Otto Lederer
Atty

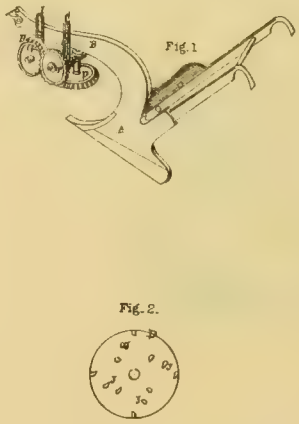
W. G. Coombs,
Plow Cleaner.
No. 106,556. Patented Aug. 23. 1870.



Witness
Henry A. Houston
Wm Franklin Geary

Inventor.
Wm G. Coombs
per Wm M. Clifford Ass.

VAN DUINE & DE JONGE.
Plow Attachment.
No. 111,155. Patented Jan. 24, 1871.



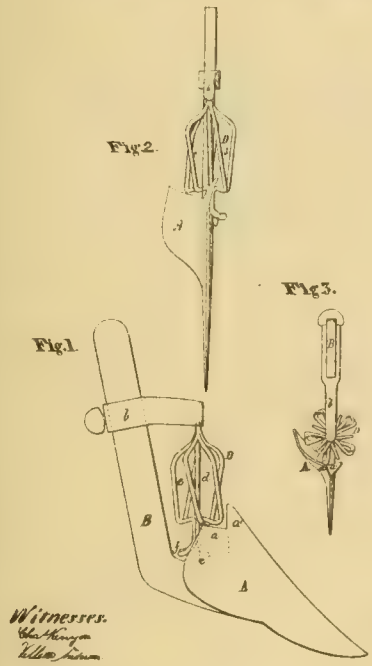
Witnesses
M. Stuart
Geo. Hayward

Inventor
W. Van Duine
A. De Jonge
per Wm
Thos. F. Sprague

C. M. Gordon.

Plow Coulter.

No. 113,621. Patented Apr. 4. 1871.



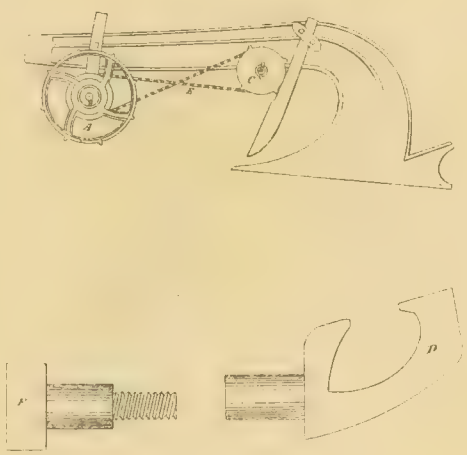
Witnesses.

Inventor.

W. H. STONE.

Improvement in Plow-Colters.

No. 114,220. Patented April 25, 1871.



WITNESSES

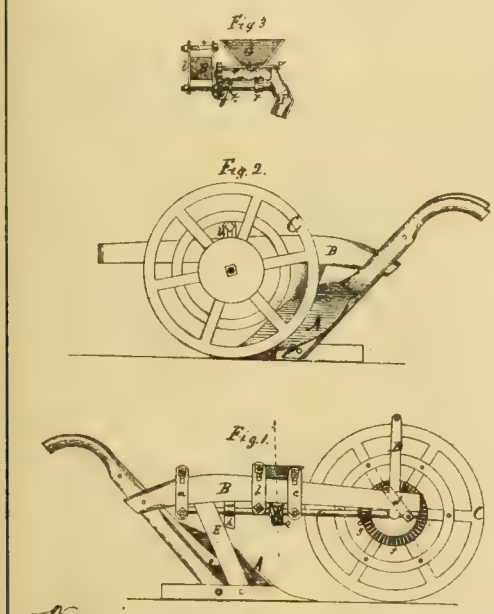
INVENTOR

Warren H. Stone

N. S. THOMPSON.

Improvement in Seeding-Cultivators.

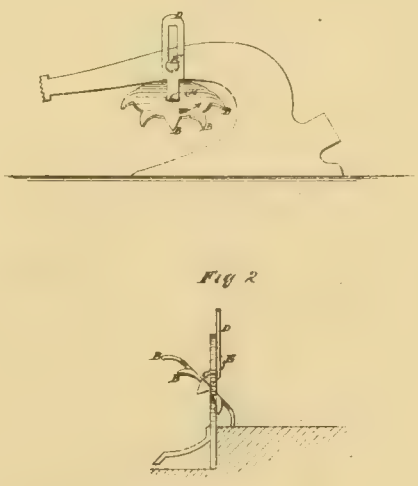
No. 114,881. Patented May 16, 1871.



GEORGE W. BURR.

Plow Clearers.

No. 122,155. Fig. 1. Patented Dec. 26 1871.



Witnesses:

Inventor:

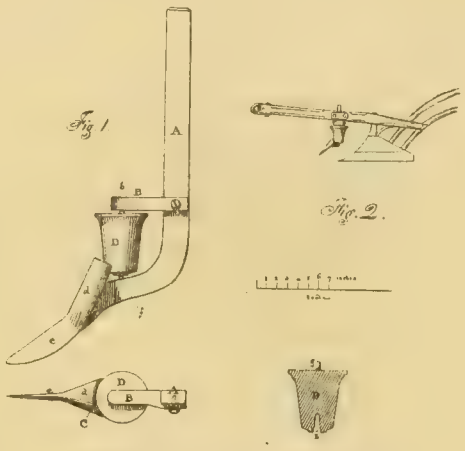
Per

Attorneys.

A. P. WEBBER.

Improvement in Plows.

No. 130,832. Patented Aug. 27, 1872.



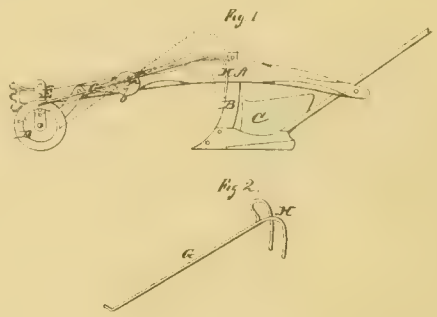
Witnesses
Henry M. Wells
Oliver M. Morse

Alanson P. Webber
by Edmund Burke
his atty

J. B. PLACE.

Improvement in Plow-Cleaners.

No. 132,857. Patented Nov. 5, 1872



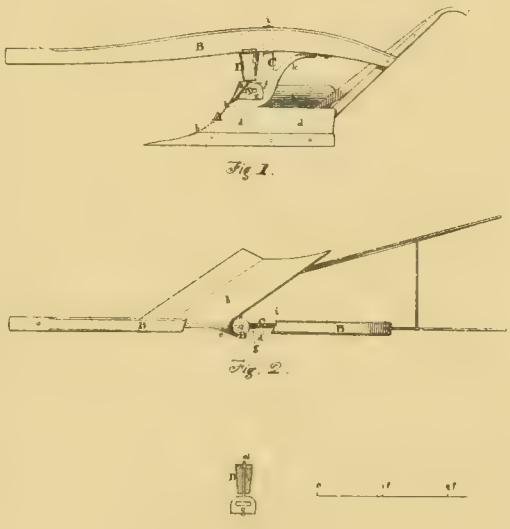
Witnesses:
W. W. Rowe
C. L. Guest

Inventor.
John B. Place.
per Alexander Mason
Attorneys

G. B. VAUGHAN.

Plows.

No. 139,036 Patented May 20, 1873



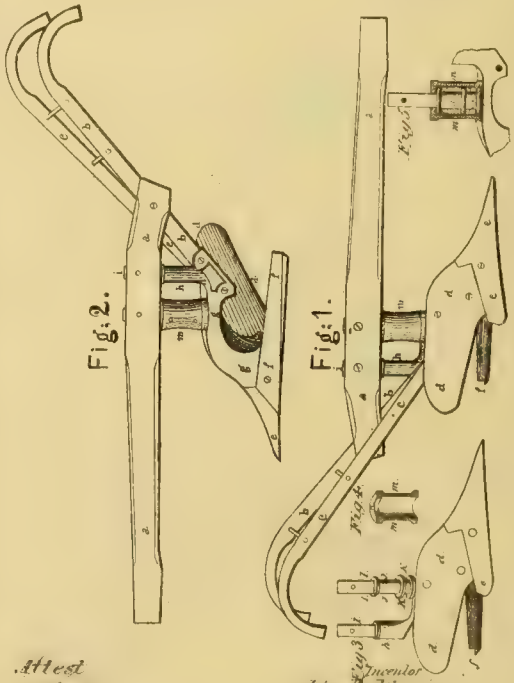
Witnesses
Henry Mayer
Harry Harding

Geo. B. Vaughan
by E. Thurston Atty

J. B. NORRIS.

Plows.

No. 145,120. Patented Dec 2, 1873.



Attest
Ino. H. Gallaher
Wm. F. Browne

Inventor
John B. Norris,
By his Attorney
Jno. S. Gallaher Jr.

H. BLUE.

Plows.

No. 147,036. Patented Feb. 3, 1874.

Fig. 1.

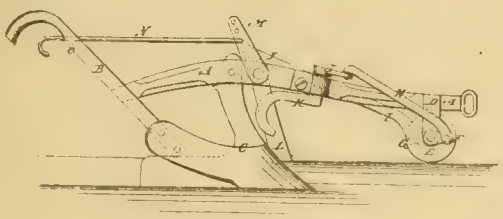
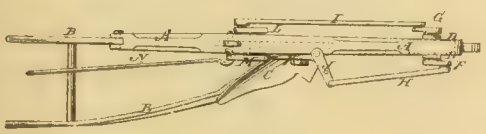


Fig. 2.



WITNESSES:

INVENTOR:

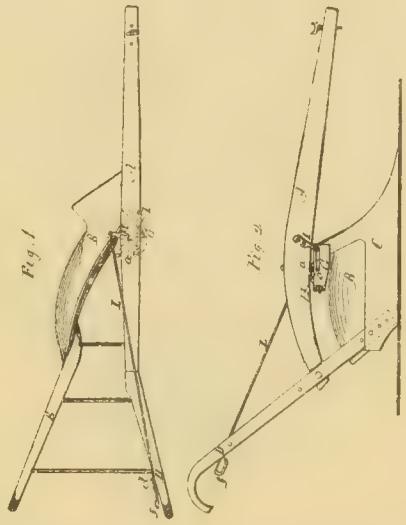
BY

ATTORNEYS.

J. J. DEAL & S. HOBBS.

Plow-Clearers.

No. 154,323. Patented Aug. 25, 1874



Witnesses.

Inventors.

O. J. GLASOE.

Plow.

No 164,727. Patented June 22, 1875.

Fig. 1.

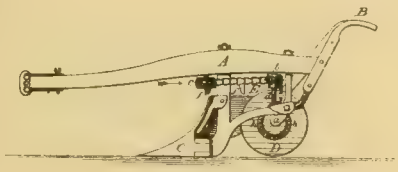
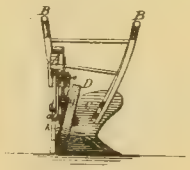


Fig. 2.



Witness:

Inventor:

T. WALLIS & O. J. CASE.

Plow-Colter Cleaner.

No 164,784. Patented June 22, 1875

Fig. 1

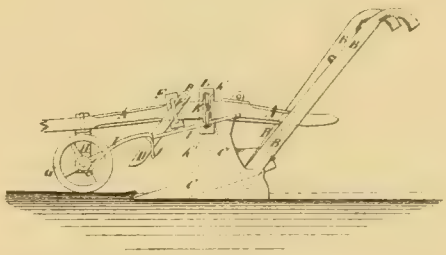
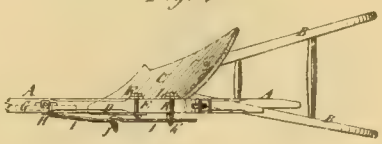


Fig. 2



WITNESSES:

INVENTORS:

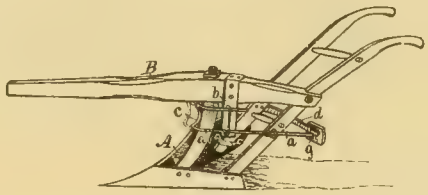
BY

ATTORNEYS.

J. H. STORM.

ATTACHMENT FOR CLEANING PLOWS.

No. 180,166. Patented July 25, 1876.



Witnesses:

Geo. Wm. Gray
J. Hook Smith

Inventor:

James H. Storm,
By Thomas G. Orwig, Atty.

S. M. HARRIS.

PLOW.

No. 181,674. Patented Aug. 29, 1876.

Fig. 1

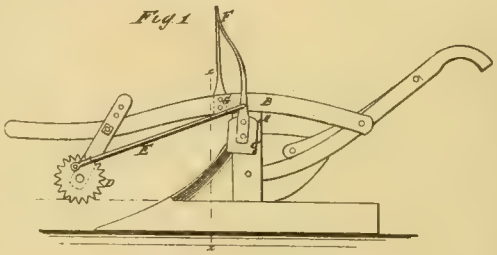


Fig. 2

WITNESSES:

E. Wolff
John Goethals

INVENTOR:

S. M. Harris
BY
Munn & Co.
ATTORNEYS.

J. F. DOCK.

CLEARING ATTACHMENT FOR PLOWS.

No 189,087. Patented April 3, 1877

Fig. 1

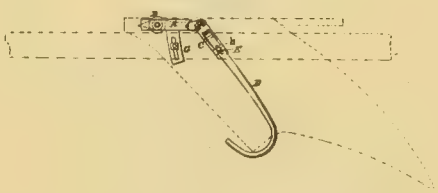
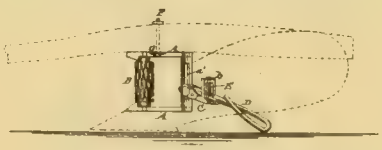


Fig. 2



WITNESSES:

A. W. Mengel
J. H. Scarborough

INVENTOR:

J. F. Dock.
BY
Munn & Co.
ATTORNEYS.

J. H. STORM.

PLOW CLEANING ATTACHMENT.

No. 190,165. Patented May 1, 1877.

Fig. 1.

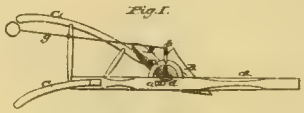
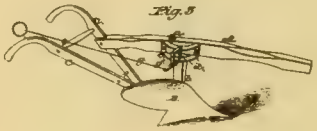


Fig. 2

Fig. 3



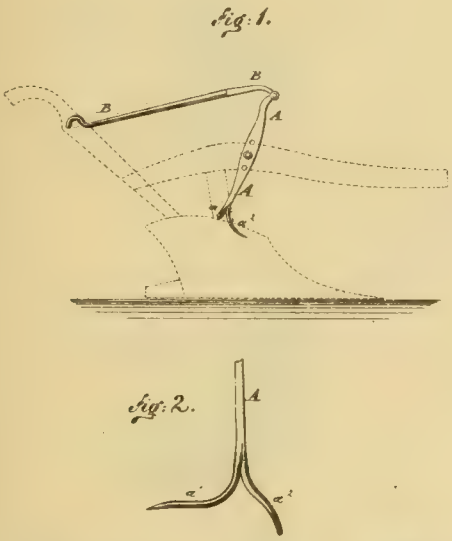
Attest:

Geo. L. Ahrich
Robert Cragg

Inventor:

James H. Storm
By Thomas G. Orwig, Atty.

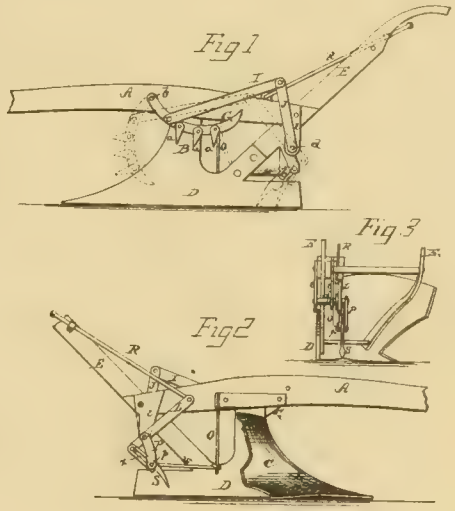
B. F. PHILLIPS.
STUBBLE-GUARD FOR PLOWS.
No. 190,781. Patented May 15, 1877.



WITNESSES:
Chas Neal
J. H. Scarborough.

INVENTOR:
B. F. Phillips
BY
Munn & Co
ATTORNEYS.

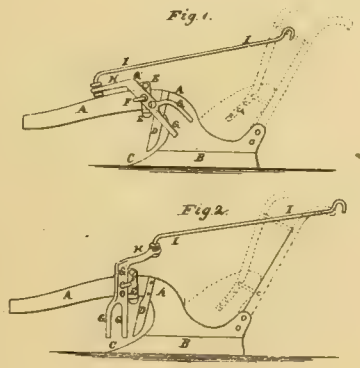
G. B. CLARKE.
PLOWS.
No. 190,826. Patented May 15, 1877



Witnesses
H. C. McArthur.
R. O. Elliott

Inventor
George B. Clarke
per T. H. Alexander & Co.
Attorneys

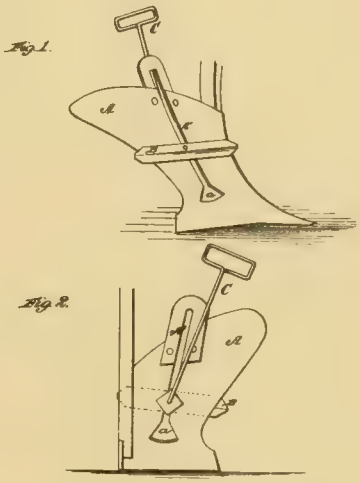
H. T. RECTOR.
Plow-Clearer.
No. 205,574. Patented July 2, 1878.



WITNESSES:
Henry N. Miller
C. Sedgwick

INVENTOR:
H. T. Rector
BY Munn & Co
ATTORNEYS.

C. V. DYER.
Plow.
No. 213,878. Patented April 1, 1879.



WITNESSES
Robert Everett
N. Clay Smith

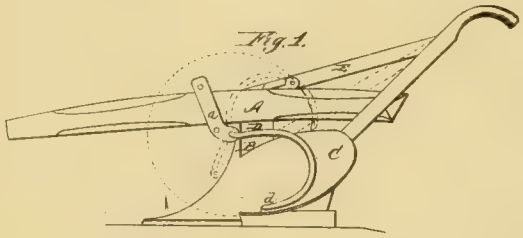
INVENTOR.
Charles V. Dyer.
By Cushman, Darby & Cushman.
ATTORNEYS.

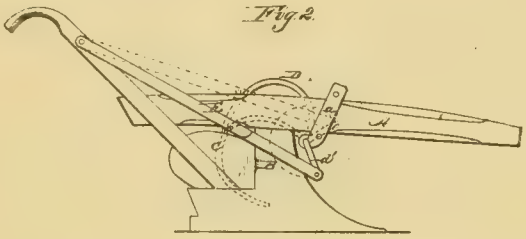
(No Model.)

A. B. BOGGS.

Plow Clearer.

No. 236,298. Patented Jan. 4, 1881.





Witnesses:
A. C. McArthur
John S. Rogers

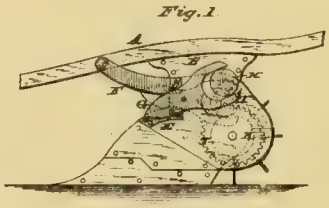
Inventor:
Alden B. Boggs.
per
T. Alexander

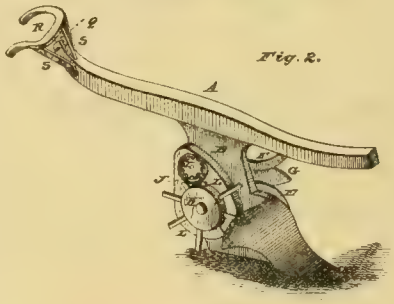
(No Model.)

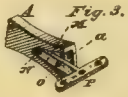
F. GAUTIER.

PLOW.

No. 254,952. Patented Mar. 14, 1882.







WITNESSES:
Fred. E. Dieterich
A. G. Lynel

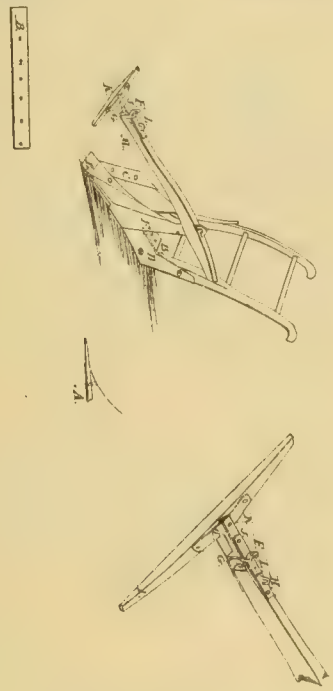
INVENTOR:
F. Gautier
BY
ATTORNEYS.

	Plate	Claim
Adams, C.	66	50
Adams, A.	83	56
Alden, L. W.	69	51
Armsby, J. M. C.	63	49
Arnold, J. H.	84	56
Atteberry, W. W.	75	53
Austin, H. W. and Shaw, W.	70	52
Axford, W.	79	54
Baldwin, J. L.	74	53
Baldwin, T. B.	88	58
Ball, J.	72	52
Ball, J.	72	52
Bateman, F.	101	64
Baughman, S. P.	100	64
Bednar, J. F.	97	62
Bement, E.	68	50
Bilz, J. A.	73	53
Blair, R. A. and Reed, J. B.	68	50
Brinly, T. E. C.	76	54
Brison, J.	78	54
Carman, A.	63	49
Chase, J. F.	89	58
Chase, J. F.	92	60
Church, M. C.	101	65
Coonley, J. C. and Buckius, A. O.	90	59
Culver, M. A.	103	65
Cunningham, J. T.	100	64
Dailey, A. A.	79	54
Dailey, S. H.	80	55
Darrow, G. P.	69	51
Depew, G. W.	67	50
Dills, O. P.	69	51
Dow, T.	75	53
Duling, C. F.	103	65
Eaton, J. M.	88	58
Eddy, W.	70	51
Edwards, W. H.	89	59
Ellis, J. F. and Robinson, C.	94	61
Ells, C. S.	97	62
Elmer, C. R.	71	52
Erkson, G.	65	49
Estes, H.	96	62
Evans, I.	64	49
Evans, E.	73	53
Falker, P.	74	53
Flanagin, J.	83	56
Fliedner, L.	73	53
Foss, C. H.	85	57
Frederick, S. H.	74	53
Gale, H.	92	60
Gallagher, P.	63	49
Gibbs, L.	70	51
Gibbs. R.	83	56
Gilbert, I. R.	100	64
Hall, J. S.	67	50
Hartzell, C.	82	55
Harvey, E. O.	85	57
Hawes, B. B.	86	57
Hawse, B. B.	89	58
Holton, G. W.	73	53
Hovis, J. T.	81	55
Hubbell, M.	102	65
Ingraham, H.	70	52
Iwan, H. and L.	98	63
Jackson, C. L.	76	54
Jackson, W. B., Childs, J. M. and O. F.	82	56
Jennings, W. A.	99	64
Jerauld, H. F.	77	54
Jerauld, H. F. and Stolle, J. W.	93	61
Johnson, D. M.	93	60
Kagarice, E. R.	81	55
Kaufman, A.	82	56
Keech, J.	68	51
Kennedy, D. A.	92	60
Kidwell, G. W.	76	54
King, D. H. and Hulse, W. M.	83	56
King, A. B.	89	58
Kinney, W.	92	60
Lahman, W.	84	56
Lash, J. S.	65	50
Latimer, J. B.	79	54
McCall, E. R.	98	63
McCall, E. R.	99	63
McCollan. A.	78	54
Machin, T. N.	87	58
McKiney, H.	80	55
Masters Wm.	96	62
Matthews, E. G.	72	52
Meech, C. L.	63	49
Merrill, F. C.	86	57
Miller, R. J.	79	54
Miller, J. G.	87	57
Mitchell, J. F.	97	63
Morrison, J. B.	88	58
Myers, I. L.	97	63
Napier, J.	81	55
Nason, C. O.	84	56
Necker, C.	101	64
Newhart, J.	71	52
Noble, H. T.	93	60
Nourse. J. and Howe, J. A.	88	58
Olson, J. A.	90	59
Palm, J. H.	101	64
Palmer, E. A.	65	49
Pope, S. W.	78	54
Poundstone, C. N.	86	57
Powers, J. W.	96	62
Powers, J. W.	99	64
Prillaman, M.	75	73
Prillamvn, M.	78	54
Prindle, R. B.	66	50
Reese, F.	81	55
Rhodes, D.	68	51
Robinson, C.	90	59
Robinson, C.	93	61
Rogers, J. T.	102	65
Sanborn, A.	82	55
Sanders, E. A.	94	61
Sandiford, R.	71	52
Sanford, A.	99	64
Schofield, J.	87	58
Search. C. F.	95	62
Seely, L. J.	85	57
Shaw, J. H.	77	54
Shedd, W. F.	67	50
Shelton, G.	84	56
Shogren, A.	69	51
Sieverling, H. C.	77	54
Sigrist, F.	66	50
Simmons, M. H.	98	63
Simpson. J.	96	62
Sims, Z. B.	75	53
Small, J. B., Holbrook, F. F. and Matthews, E. G.	77	54
Smith, L. E.	85	56
Stearnes, L. M.	67	50
Stewart, D.	72	52
Stewart, E.	80	55
Stoner, J. B.	64	49
Tanger, D. B.	102	65
Tarpley, J. H.	76	53
Tracy, J. D. and Platt, J. F	87	57
Van Brocklin, J.	64	49
Vann, J. A.	91	60
Wansbrough, E.	98	63
Warren, T. P.	71	52
Watt, G.	74	53
Weir, W. S.	91	59
Weir, W. S.	91	60
Whitcomb, W. E.	94	61
Wilder, C. O.	91	59
Willis, H. M.	95	62
Willoughby, J. D.	65	50
Wilt, S.	64	49
Woodward, W. A.	94	61
Wright, E. A.	80	55

A. Carman.

Plow Clevis.

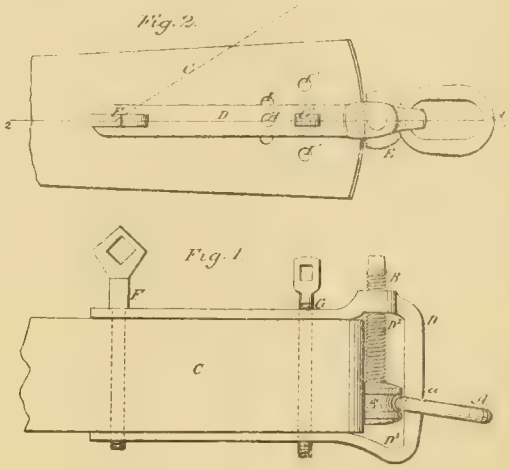
No 791. Patented Jan 20, 1838



P. Gallagher.

Plow Clevis

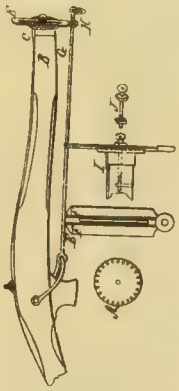
No 4,292 Patented Nov 26, 1846



J. M. C. Armsby.

Plow Clevis.

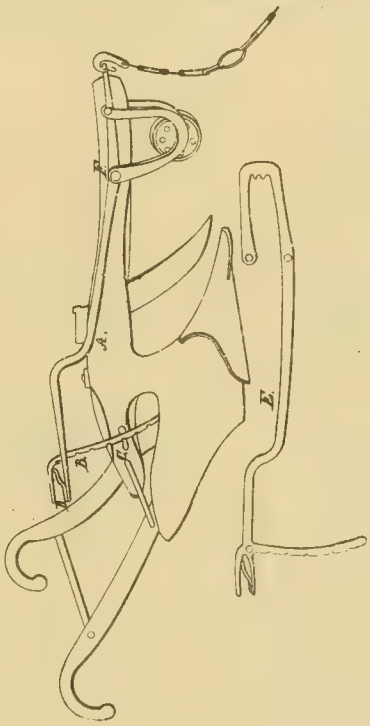
No 4,466. Patented Apr 18, 1846



C. L. Mesch.

Plow Clevis.

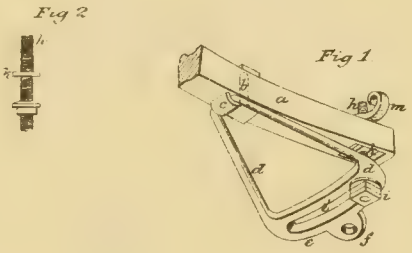
No 4,544. Patented May 28, 1846.



S. Witt.

Plow Clevis.

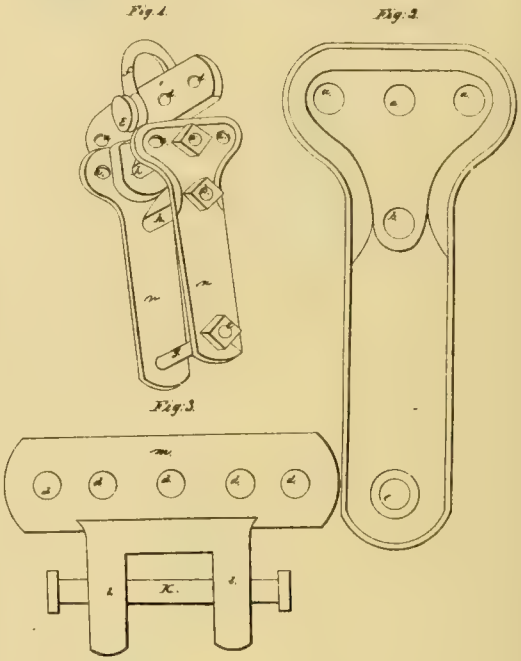
No. 4,730. Patented Sep. 3, 1846.



J. Van Brocklin.

Plow Clevis

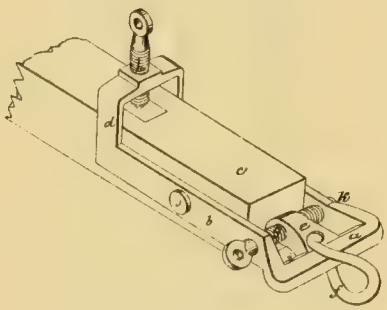
No. 5,016 Patented Mar. 13, 1847



I. Evans.

Plow Clevis.

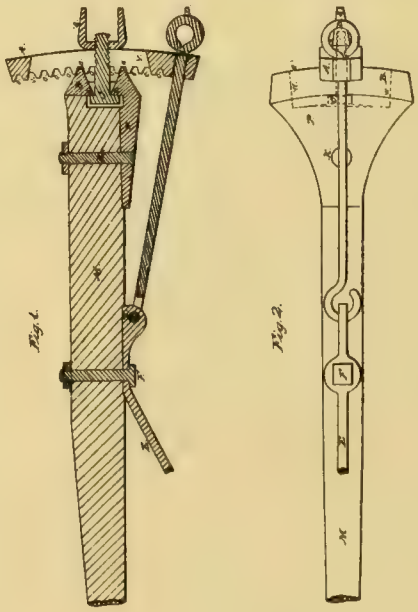
No. 5,581. Patented May 16, 1848.



J. B. Stoner.

Plow Clevis.

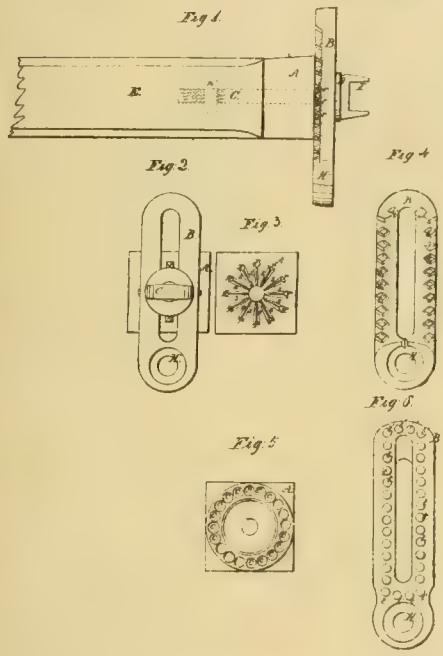
No. 7,638. Patented Sept. 10, 1850.



C. Erkson.

Plow Cleris.

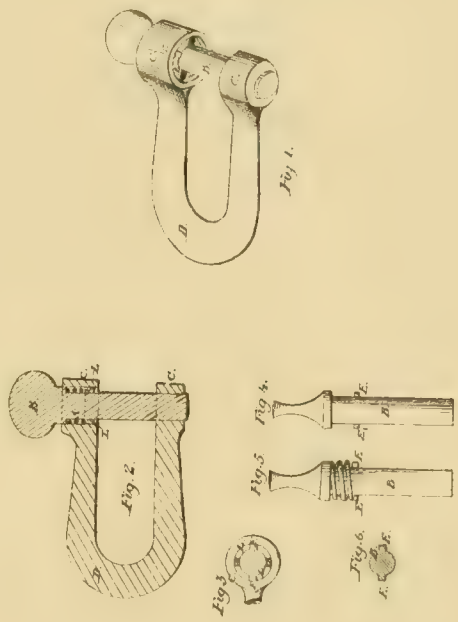
No. 7,651. Patented Sep. 17, 1850.



E. A. Palmer.

Plow Cleris.

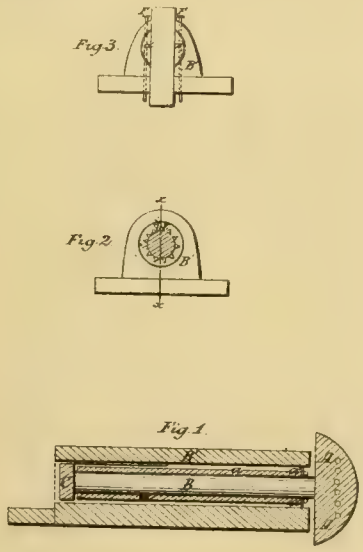
No. 15,743. Patented Sep. 16, 1856.



J. D. Willoughby.

Plow Cleris.

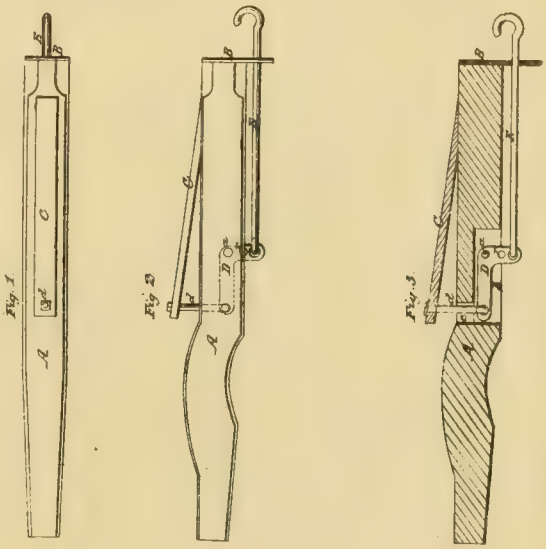
No. 17,462. Patented Jun. 2, 1857.



J. S. Lash.

Plow Cleris.

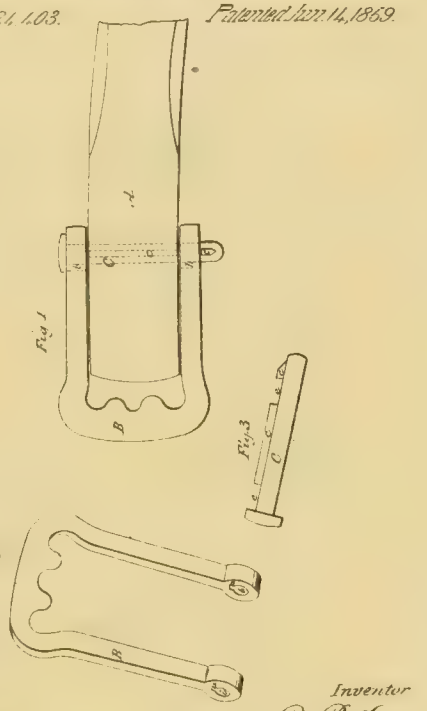
No. 18,469. Patented Oct. 20, 1857.



R. B. Prindle.

Plow Clevis.

No. 22,403. Patented Jan. 11, 1859.



Witnesses
C. W. Brown
F. L. Simon

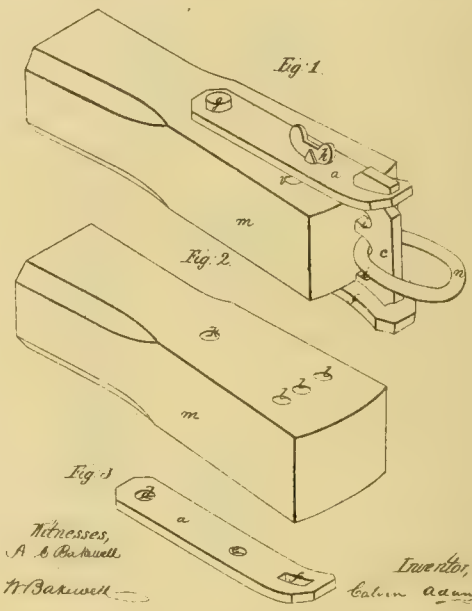
Inventor
R. B. Prindle

Sheet 1, 2 Sheets.

C. Adams.

Plow Clevis.

No. 28,337 Patented May 22, 1860



Witnesses,
A. L. Bakewell
W. Bakewell

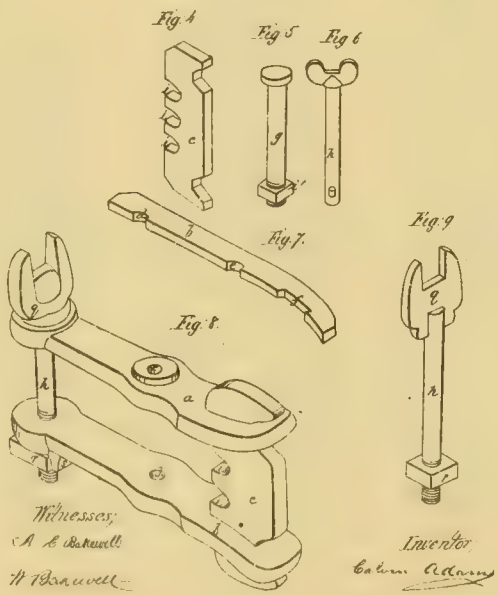
Inventor,
Calvin Adams

Sheet 2, 2 Sheets.

C. Adams.

Plow Clevis.

No. 28,337. Patented May 22, 1860.



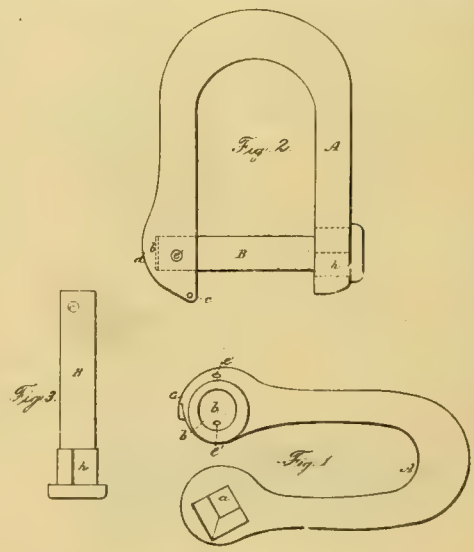
Witnesses;
A. L. Bakewell
W. Bakewell

Inventor.
Calvin Adams

F. Sigrist.

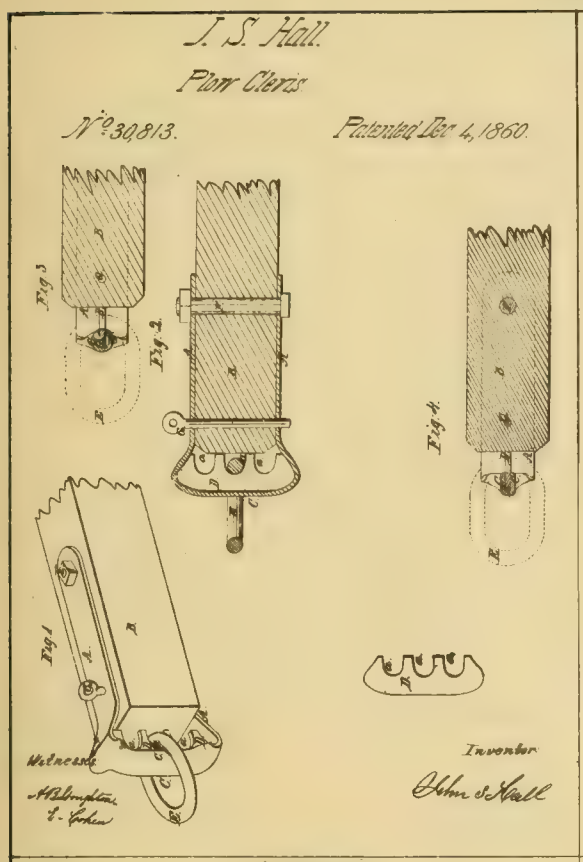
Plow Clevis.

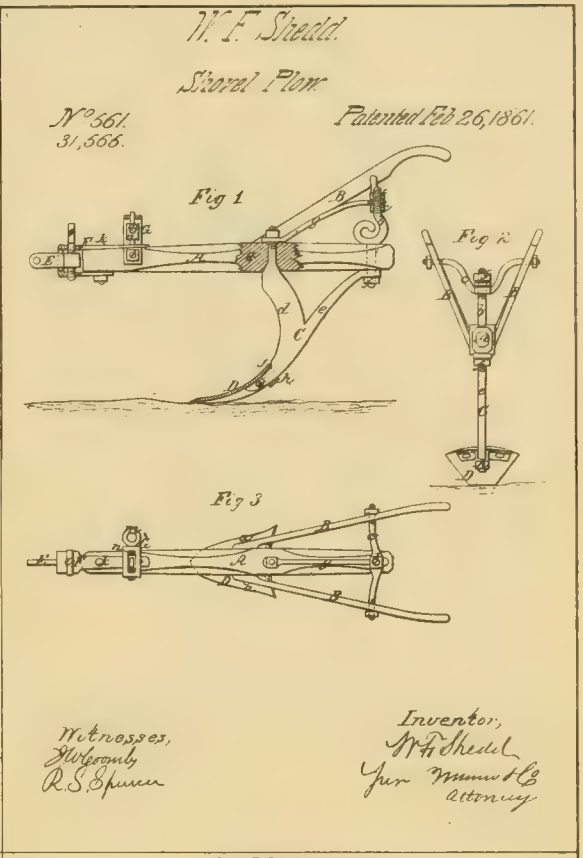
No. 30,766. Patented Nov. 27, 1860.

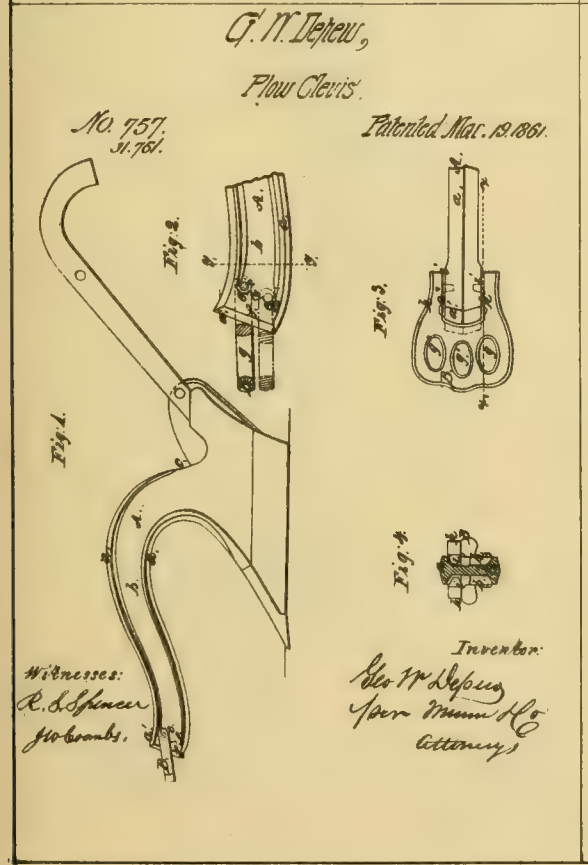


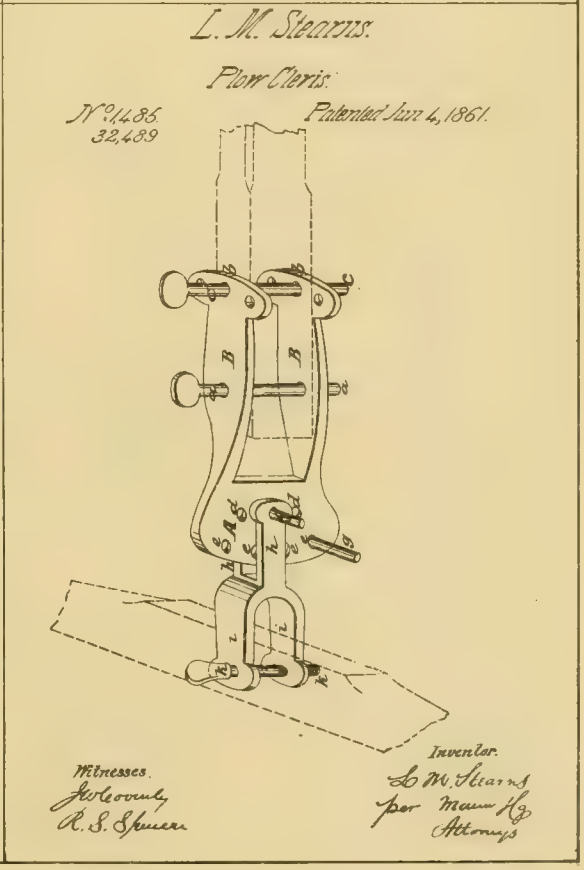
Witnesses
D. C. Williams
Sam Hermann

Inventor:
F. Sigrist.


J. S. Hall.
Plow Clevis.
No. 30,813.
Patented Dec 4, 1860.
Fig 1
Fig 2
Fig 3
Fig 4
Witnesses
Inventor
John S. Hall


W. F. Shedd.
Shovel Plow
No. 561.
31,566.
Patented Feb. 26, 1861.
Fig 1
Fig 2
Fig 3
Witnesses,
Inventor,
W. F. Shedd
per Munn & Co
Attorney

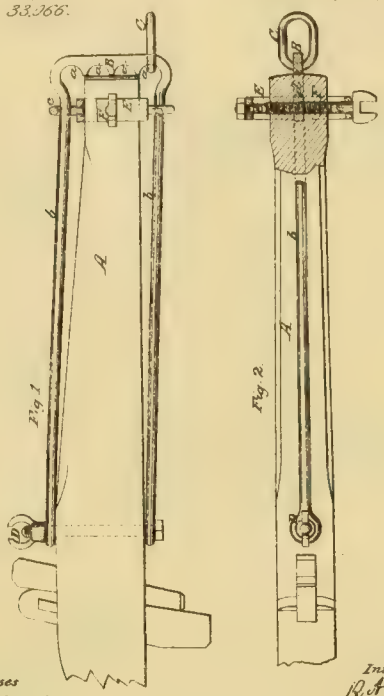

G. W. Depew,
Plow Clevis.
No. 757.
31,761.
Patented Mar. 19 1861.
Fig 1
Fig 2
Fig 3
Fig 4
Witnesses:
Inventor:
Geo W. Depew
per Munn & Co
Attorneys


L. M. Stearns.
Plow Clevis.
No. 1,485.
32,489
Patented Jun 4, 1861.
Witnesses.
Inventor.
L. M. Stearns
per Munn & Co
Attorneys

Blair & Reed.

Plow Clevis.

No. 32,062. 33,966. Patented Aug. 20, 1861.



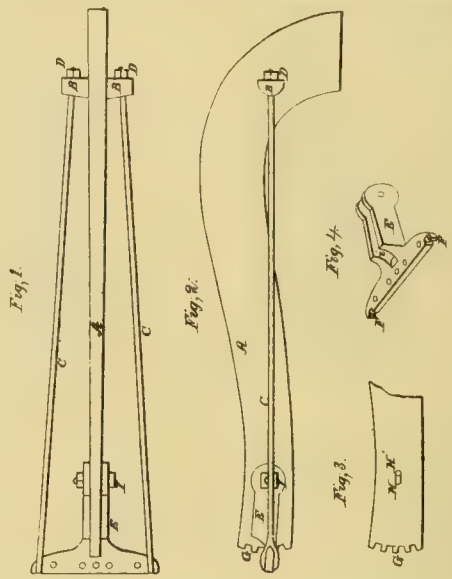
Witnesses
J. W. Coombs.
W. Tusch,

Inventors.
R. A. Blair
J. B. Reed.
per Munn & Co.

E. Bennett.

Plow.

No. 36,446. Patented Sep. 16, 1862.



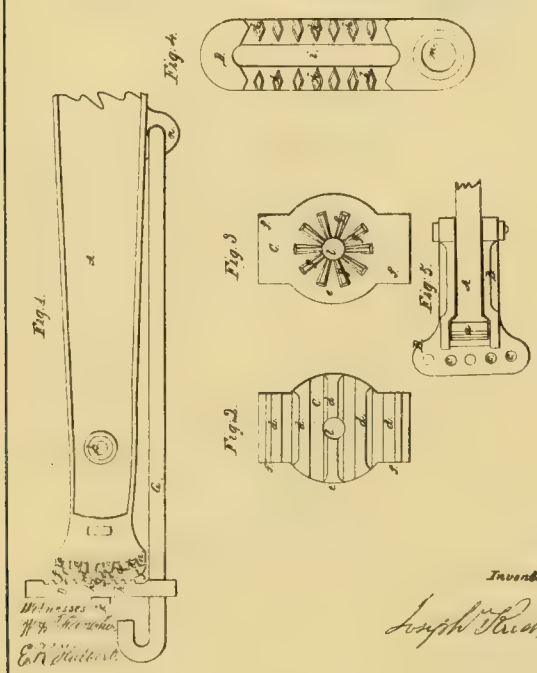
Witnesses,
J. Brainerd
G. H. Martin

Inventor;
Edwin Bennett

J. Keech.

Plow Clevis.

No. 38,394. Patented May 5, 1863.



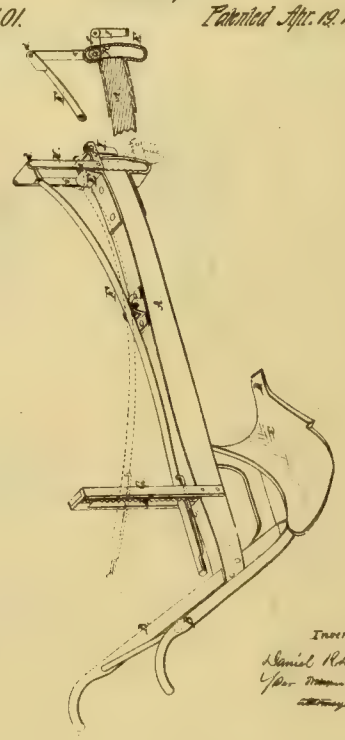
Witnesses
W. H. Thorcher
E. F. Mallard.

Inventor.
Joseph Keech

D. Rhodes,

Plow Clevis.

No. 48,401. Patented Apr. 18, 1864.



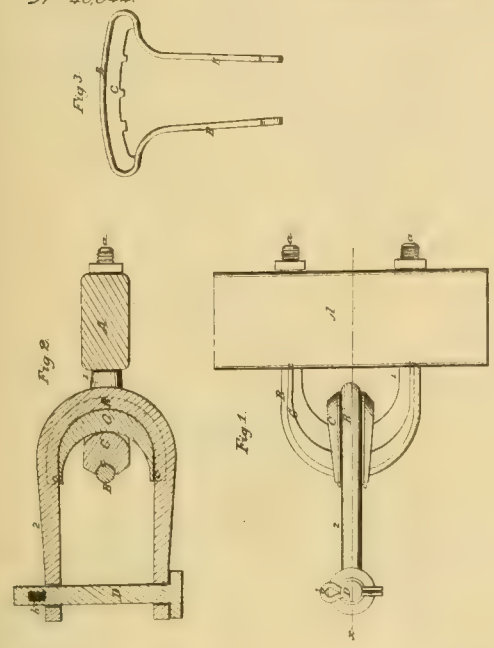
Witnesses
J. W. Coombs
G. W. Reed

Inventor:
Daniel Rhodes
by Munn & Co.
Attorneys

A. Shugren.

Plow-Clevis.

No. 48,814. Patented Jan. 18, 1865.



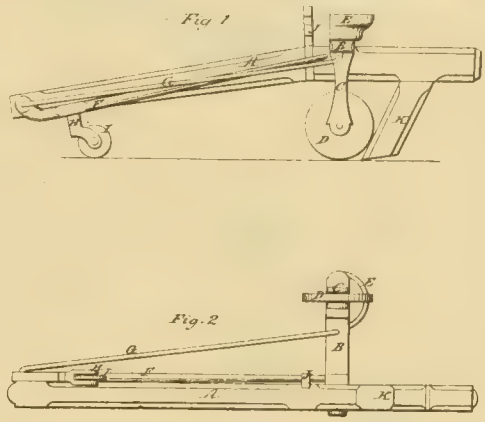
Witnesses
George W. Gray
C. S. Mapennell

Inventor
Andrew Shugren
By L. S. Bond
his atty.

O. P. Dill.

Plow-Clevis.

No. 49,733. Patented Sept. 5, 1865.



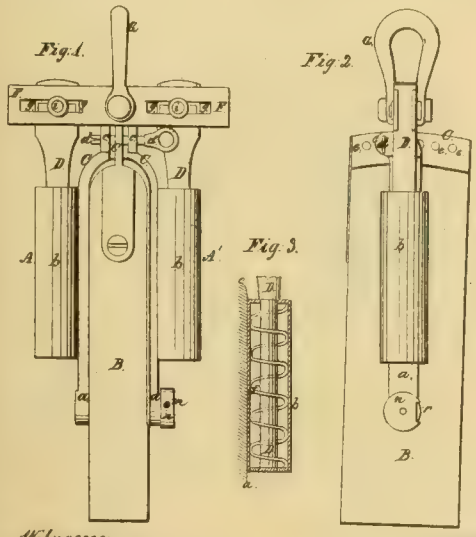
Witnesses
Geo. Fusch
J. M. Covington

Inventor.
O. P. Dill
By Munn & Co
Attys.

L. W. Alden.

Plow-Clevis.

No. 52,123. Patented Jan. 23, 1866.



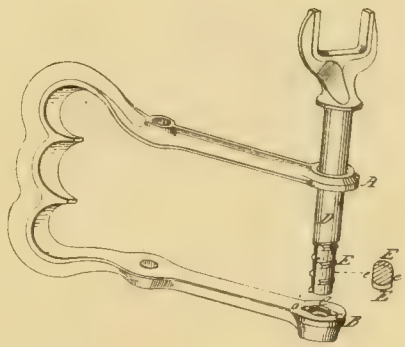
Witnesses:
J. E. Patten
A. Moore

Inventor.
Loyall W. Alden
By atty. A. B. Stoughton.

G. P. DARROW.

Plow-Clevis.

No. 57,436. Patented Aug. 21, 1866



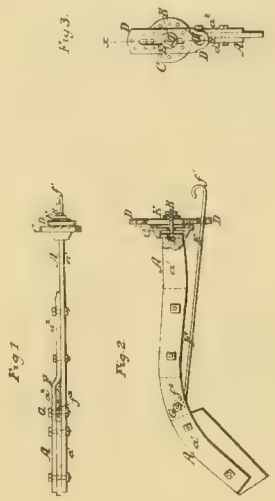
Witnesses
Geo. H. Mann
H. G. Webber

Inventor.
Geo. P. Darrow.
By Knight Bros
attys

W. Eddy.

Plow-Clevis.

No. 65,367. Patented Jun. 4, 1867.



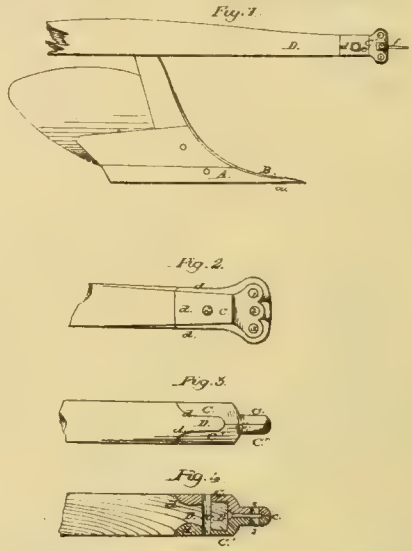
Witnesses
Thos Tusche
J. A. Service

Inventor.
Haldan Eddy
Per Munn & Co Attys

L. Gibbs.

Plow Clevis.

No. 66,016. Patented Jun. 26, 1867.



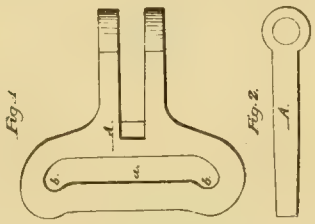
WITNESSES:
Jno. D. Patton.
Thos. J. Chamberlain

INVENTOR:
Lewis Gibbs
By atty. A. B. Stoughton

H. Ingraham.

Plow Clevis.

No. 68,200. Patented Aug. 27, 1867.



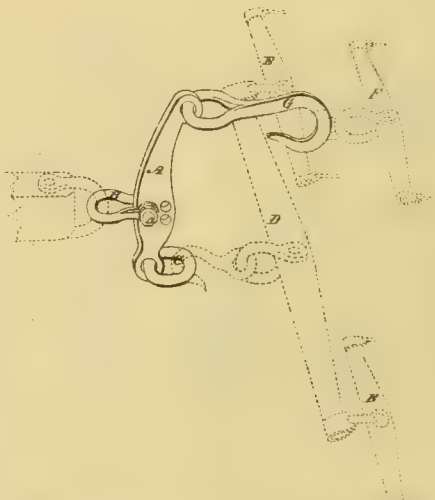
WITNESSES:
Jacob Zepp
James E. Beith

INVENTOR:
Hanford Ingraham
by his attorney
G. B. Timbs

Austin & Shaw.

Plow Clevis.

No. 68,545. Patented Sept. 3, 1867.



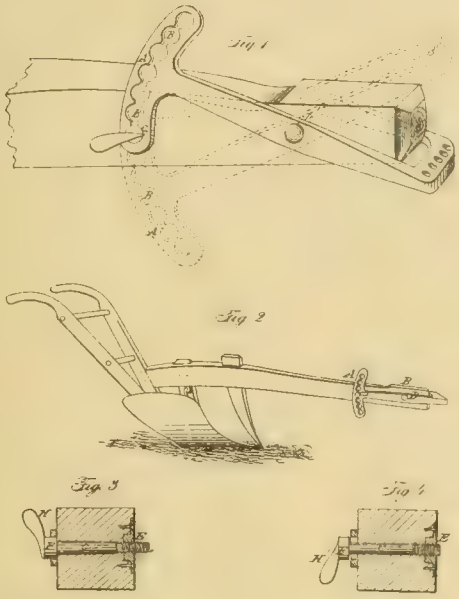
Witnesses:
Thos Tusche
Jas A. Shaw

Inventors.
H. W. Austin
Wm Shaw

J NEWHART.

Plow-Clevis.

No. 70,351. Patented Oct. 29, 1867



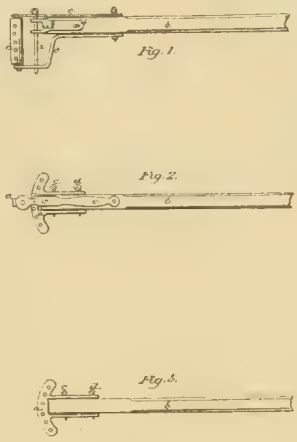
Witnesses:
J. A. Vrydagh
Gunther Weiß

Inventor:
Jacob Newhart

R. Sandiford.

Plow Clevis

No. 78,642. Patented Jun. 2, 1868.



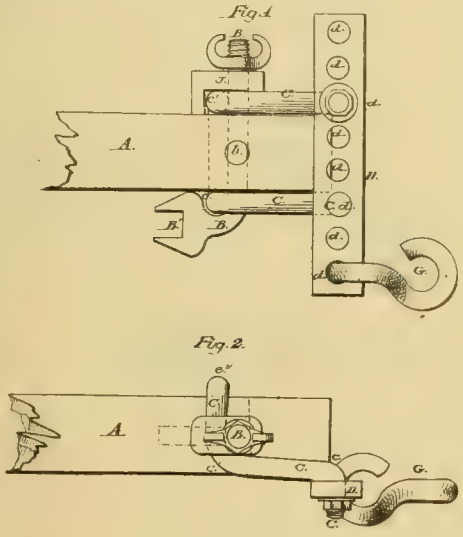
WITNESSES:
Jno. H. Hutchins
F. L. Cayen

INVENTOR:
Roger Sandiford

T. P. Warren.

Plow Clevis

No. 78,776. Patented Jun. 9, 1868.



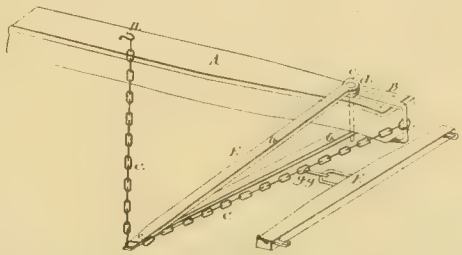
WITNESSES:
Silas Kenyon
A. A. Pettit

INVENTOR:
Thomas P. Warren
per Munn & Co.
Attorneys

C. R. Elmer.

Plow-Clevis.

No. 78,868. Patented Jun. 16, 1868.



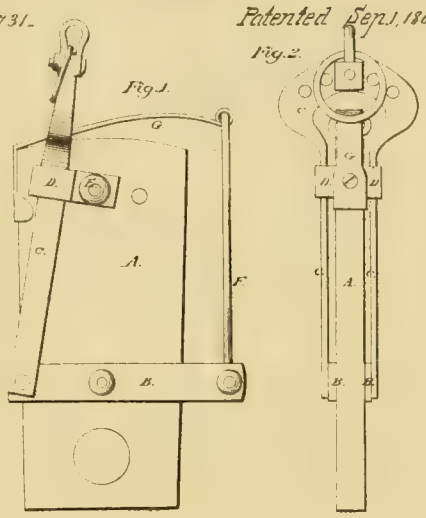
WITNESSES:
J. A. Stallsberg
Willard Emory

INVENTOR:
Elias R. Elmer
by his attorney
Stephen Wick

J. Ball,

Plow Clevis.

No. 81,731. Patented Sep. 1, 1868.



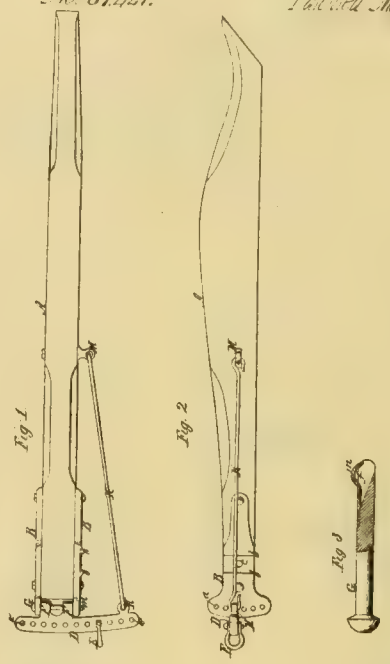
Witnesses:
Wm. Thompson.
Leopold Cowles

Inventor:
John Ball.
per Alexander Ingersoll.
Attorney.

E. G. Matthews,

Plow Clevis.

No. 81,421. Patented Mar. 2, 1869.



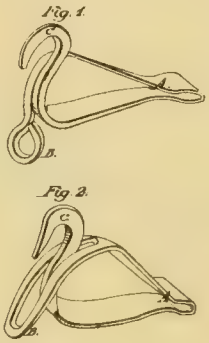
Witnesses,
Thos. H. Badge
D. L. Miller.

Inventor,
E. G. Matthews

J. Ball,

Plow Clevis.

No. 81,458. Patented Mar. 2, 1869.



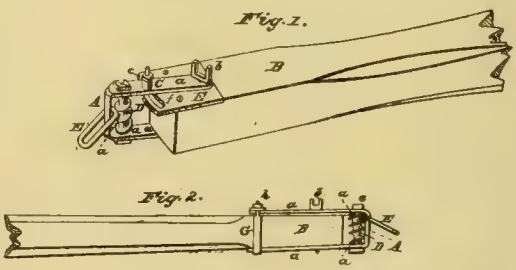
Witnesses:
Geo. Gomding Jr.
Leopold Cowles

Inventor.
John Ball.
Alexander Ingersoll.
Attorney

D. STEWART.

Plow Clevis.

No. 82,764. Patented Oct. 6, 1868.



Witnesses:
Geo. E. Green
D. P. Wright

Inventor:
David Stewart
per
J. B. Wheelwright Jr.
Attorney

L. Fliedner.

Elastic Link for Clevis.

No. 88,619 Patented Apr. 6, 1869.

Fig. 1.

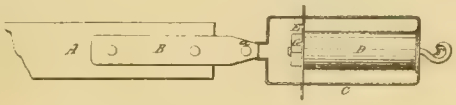
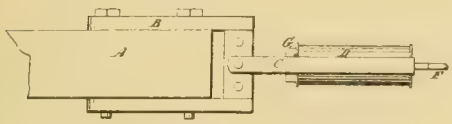


Fig. 2



Witnesses.

J. A. Burridge
Frank S. Alden

Inventor.

Louis Fliedner.

C. W. Madden

Flow Clevis.

No. 89,407. Patented Apr. 27, 1869.

Fig. 1

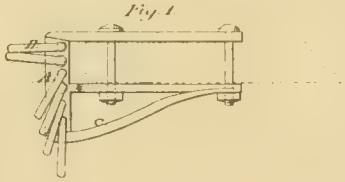
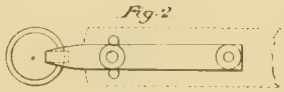


Fig. 2



Witnesses.

Robt. H. Brooks
C. Burr Collins

Inventor:

C. W. Madden
by Munn & Co.
Attorneys.

J. A. Fitz,

Flow Clevis.

No. 90,068. Patented May 18, 1869

Fig. 1.

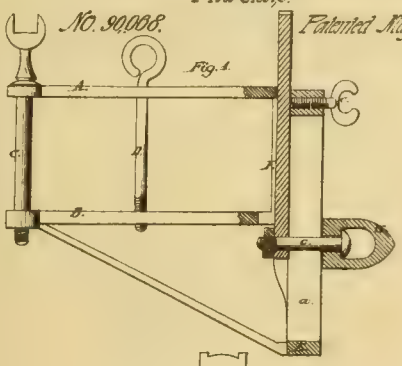


Fig. 2.

Witnesses.

J. L. Byrne
Geo. H. Strong

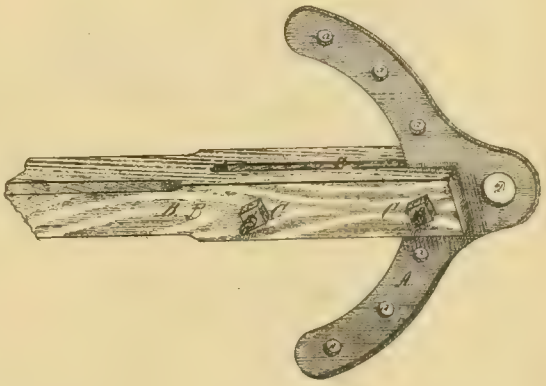
Inventor

Jno. A. Fitz
by Munn & Co.
Attys.

T. Evans.

Flow Clevis.

No. 90,736. Patented June 1, 1869



Witnesses.

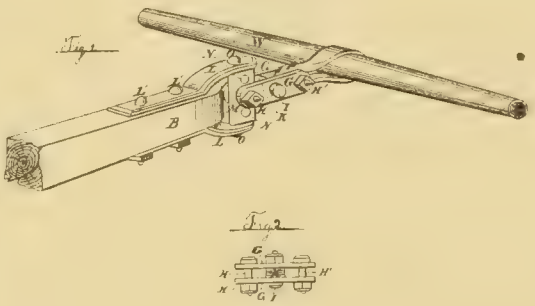
E. A. Peck
J. C. Kenn

Elias Evans
by Munn & Co.
Attorneys

G. Watt.

Plow Clevis

No. 92,109. Patented July 6. 1869.



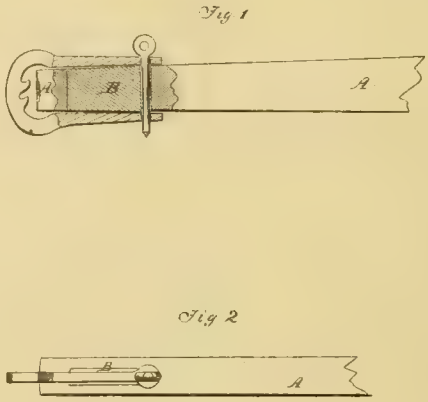
Witnesses
H. L. Deming
Wm. McCurton Jr.

Geo. Watt
by Munn & Co
Attorneys

J. L. Baldwin.

Clevis.

No. 92,775. Patented Jul. 20. 1869.



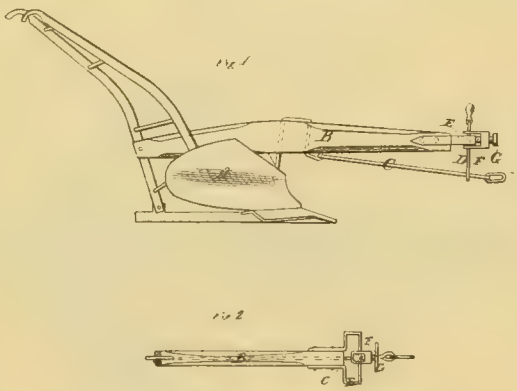
Witnesses:
Frank Brooks

Inventor:
Jas. L. Baldwin
per Munn & Co
Attorneys.

P. Falker,

Clevis.

No. 92,806. Patented Jul. 20. 1869.



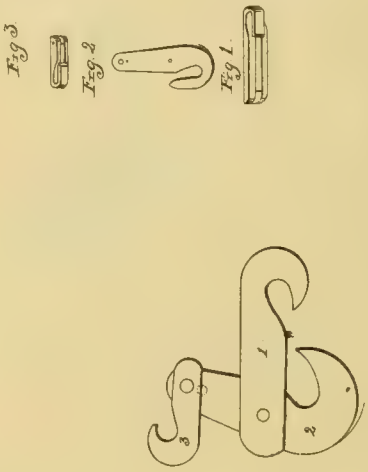
Witnesses
Henry Kropp
J. H. Lemon

Inventor
P. Falker
per
Munn & Co

S. H. Frederick.

Clevis.

No. 92,953. Patented Jul 27, 1869.



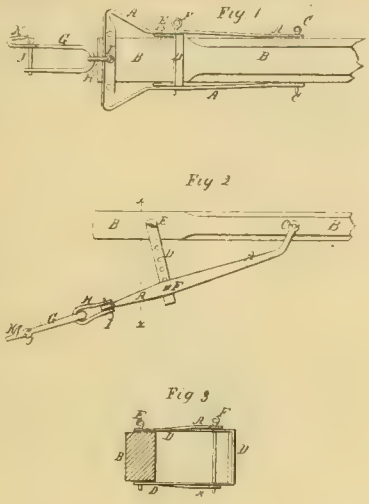
Witnesses:
E. B. Sorton
Wm. Milburn Jr.

Inventor:
Samuel H. Frederick

W. W. Atteberry

Plow Clevis.

No. 93,370. Patented Aug. 10, 1869.



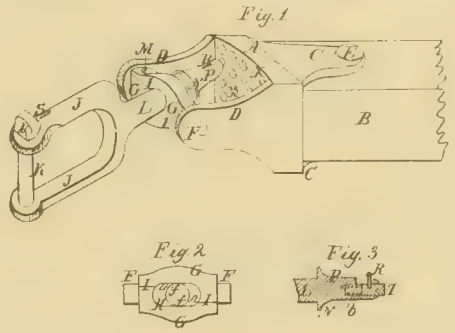
Witnesses.
Alex. T. Roberts
Frank W. Brooks

Inventor.
W. W. Atteberry
by Munn & Co.
Attys.

T. Dow.

Plow Clevis.

No. 94,146. Patented Aug. 31, 1869.



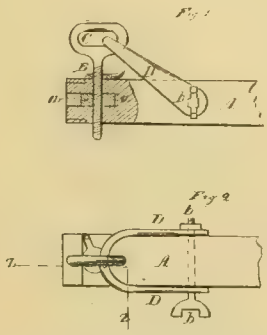
Witnesses
E. W. Dow
E. H. Kline

Inventor
Thomas Dow
By his Attorneys
Edd Anderson

Z. B. Sims,

Plow Clevis.

No. 94,348. Patented Aug. 31, 1869.



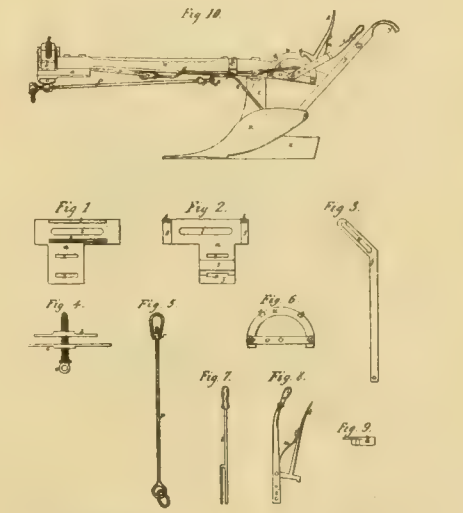
Witnesses:
Thos. J. Evans
W. J. Fogleson

Inventor:
Rodanah B. Sims
By Munn & Co.
Attys.

M. Pullman.

Plow Right Regulator.

No. 97,690. Patented Dec. 7, 1869



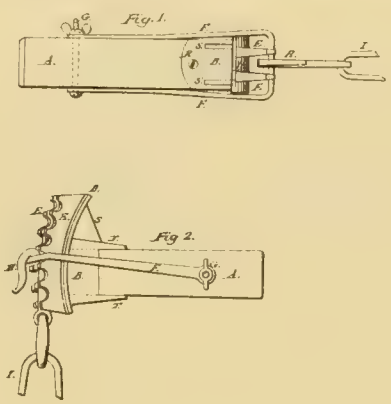
Witnesses.
Adam Jackson
Wm. Stivers

Inventor.
Morton Pullman

J. H. Tapley.

Plow Clevis

No. 97,990. Patented Dec. 14, 1869.



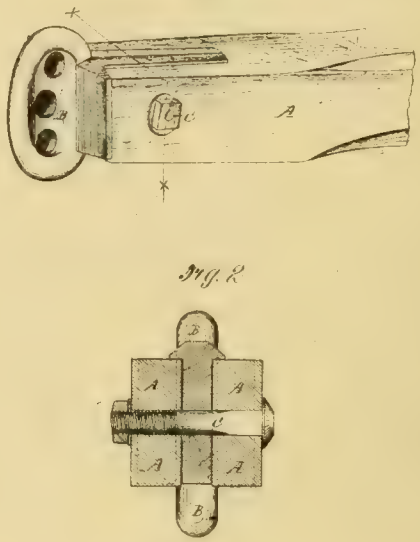
Witnesses:
P. Boland
John M. Stiles

Inventor:
J. H. Tapley
by J. Dennis Jr.
Atty.

T. E. C. BRINLY.

Plow Clevis

No. 102,652. Patented May 3, 1870.



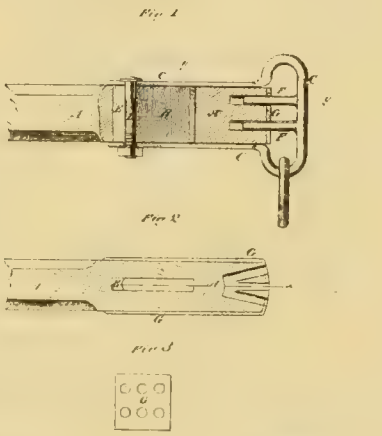
WITNESSES
H. A. Sprague
C. F. Clausen

T. E. C. Brinly
Inventor
D. P. Holloway & Co.
Atty.

G. W. Midwell.

Plow Clevis

No. 107,692. Patented Sept. 27, 1870.



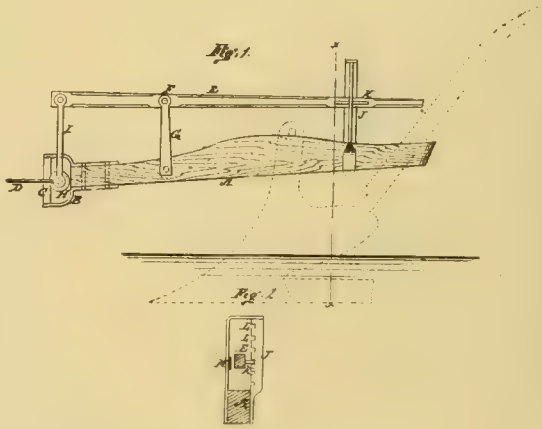
Witnesses:
Frederick Dimmick
L. S. Mabie

Inventor:
G. W. Midwell
per Munn & Co.
Attorneys.

G. L. Jackson,

Plow Clevis.

No. 109,815 Patented Nov. 15, 1870.



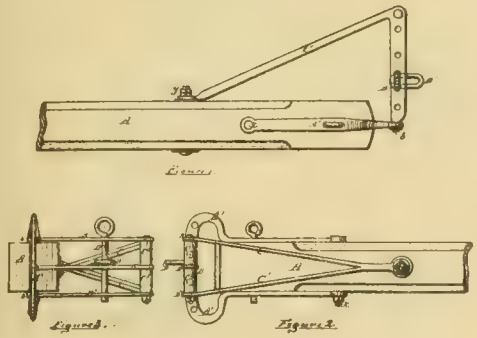
Witnesses:
Geo. Hide
L. S. Mabie

Inventor:
G. L. Jackson
per Munn & Co.
Attorneys.

H. C. Sieverling,

Plow Clevis.

No. 110,080. Patented Dec. 13, 1870.



Witnesses

J. H. Kerthel

Robert Burns

Inventor

Henry C. Sieverling

by his Attys

H. Kerthel & Co.

H. F. Jerauld,

Plow Clevis.

No. 112,715. Patented Mar. 14, 1871.

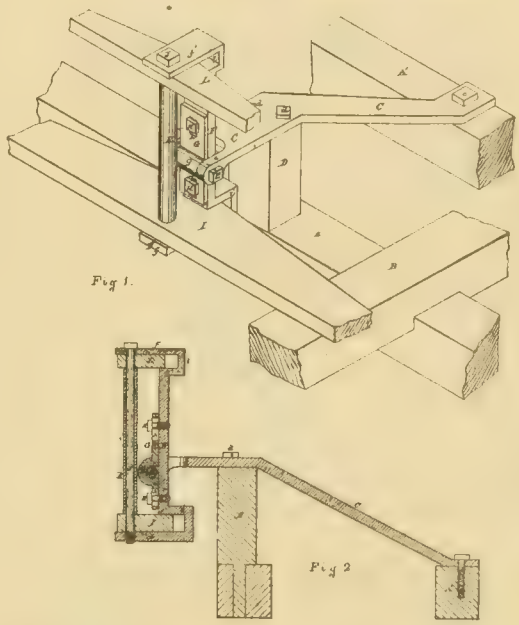


Fig 1.

Fig 2

Attest

Wm. H. Brockway

H. C. Kerthel

Inventor

Henry F. Jerauld

By Wright Brown & Roy.

J. B. SMALL, E. G. MATTHEWS & F. F. HOLBROOK.

Improvement in Swivel-Clevises for Plows.

No. 114,212. Patented April 25, 1871.

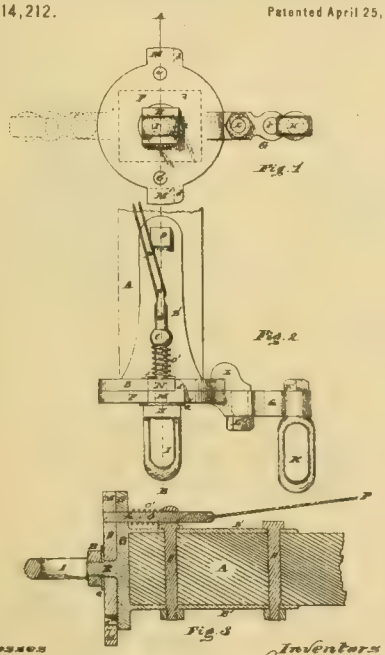


Fig. 1

Fig. 2

Fig. 3

Witnesses

Thos. H. Dodge

A. C. Pierce.

Inventors

Josiah B. Small.

E. G. Matthews

Franklin F. Holbrook.

JOHN H. SHAW.

Improvement in Clevises.

No. 115,113. Patented May 23, 1871.

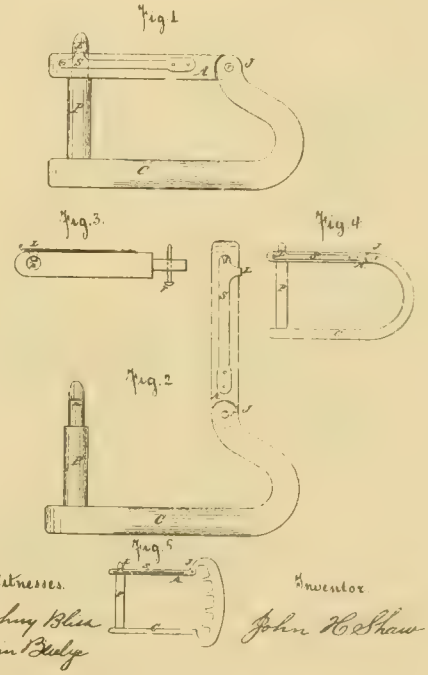


Fig 1

Fig. 3.

Fig 4

Fig. 2

Fig. 5

Witnesses.

Johnny Blue

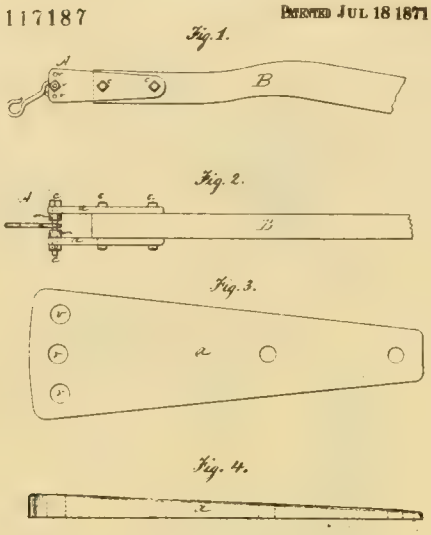
Lemuel Bulge

Inventor

John H. Shaw

Andrew McCollam's Plow Clevis.

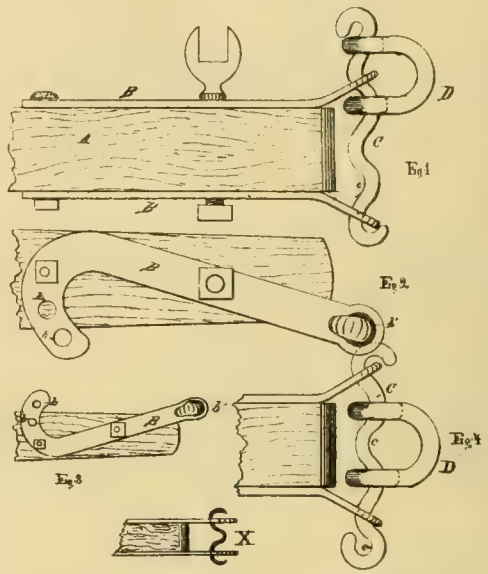
117187 PATENTED JUL 18 1871



Witnesses. Inventor.

S. W. Pope — Improved Clevis

118050 PATENTED AUG 15 1871



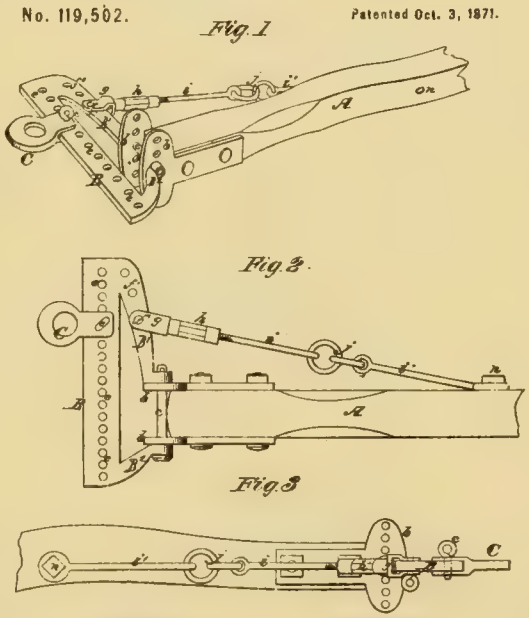
Witnesses Inventor

W. S. Raymond, E. Gunaway — S. W. Pope by H. W. Beadle atty

JERRY BRISON.

Improvement in Plow Clevis.

No. 119,502. Patented Oct. 3, 1871.



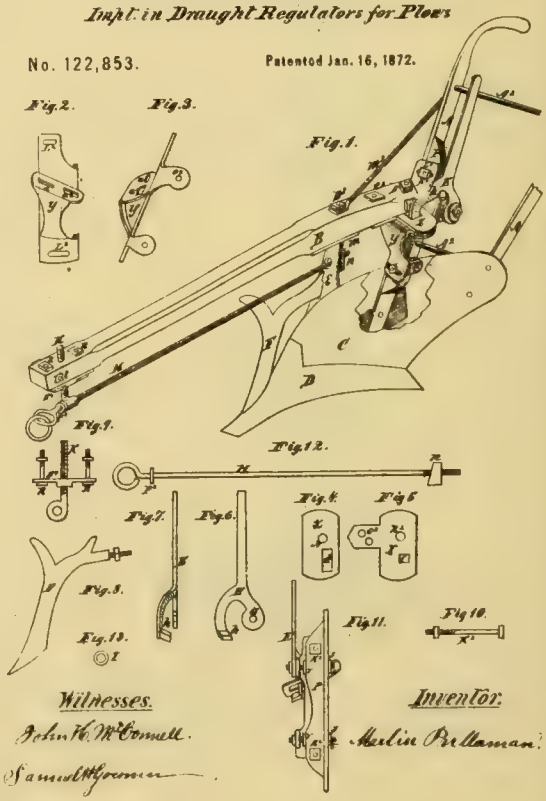
Witnesses Inventor

Jerry Brison

Martin Prillaman.

Impt. in Draught Regulators for Plows

No. 122,853. Patented Jan. 16, 1872.



Witnesses. Inventor.

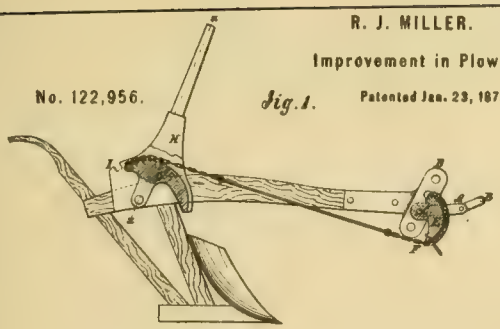
John H. McConnell. Martin Prillaman.

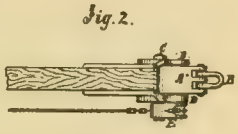
Samuel Groomer

R. J. MILLER.

Improvement in Plows.

No. 122,956. Patented Jan. 23, 1872.





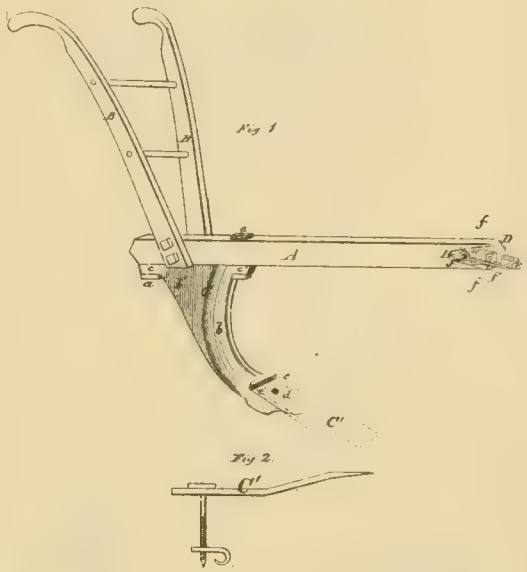
Witnesses:
A. Bonnemann Jr.
Francis M. Ardle

Inventor:
R. J. Miller
per
Munn & Co.
Attorneys.

J. B. LATIMER.

Improvement in Plows.

No. 124,143. Patented Feb. 27, 1872.



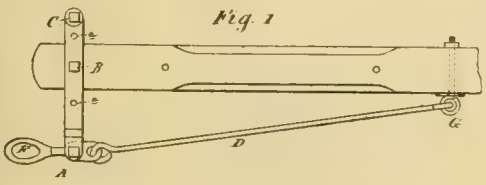
Witnesses
C. H. Poole
John B. Young

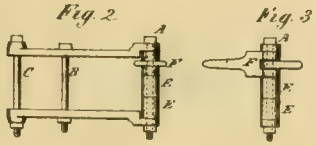
Inventor
Jesse A. Latimer
by Prindle & Dyer
his attys

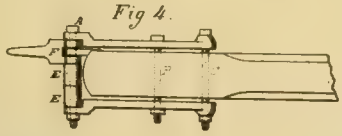
WILLIAM AXFORD

Improvement in Plow Clevis.

No. 124,313. Patented March 5, 1872.







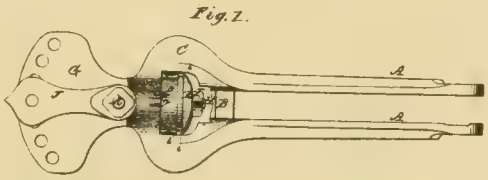
Witnesses
George W. Rhodes
William V. Rhodes

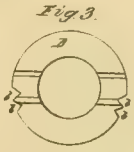
Inventor
William Axford

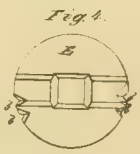
ALBERT A. DAILEY.

Improvement in Plow Clevis.

No. 124,339. Patented March 5, 1872.







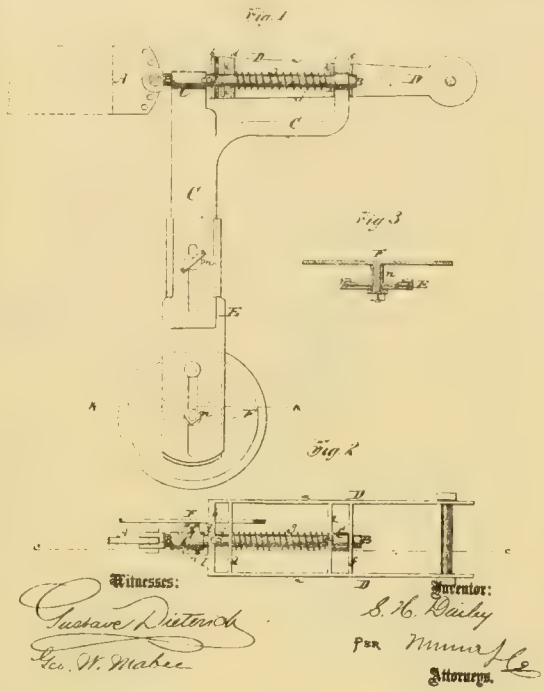
Witnesses
Jas. O. Ellis
Jas. F. White

Inventor
Albert A. Dailey
by
M. Arrington
Atty.

S. H. DAILEY.

Improvement in Draught Attachment to Plow.

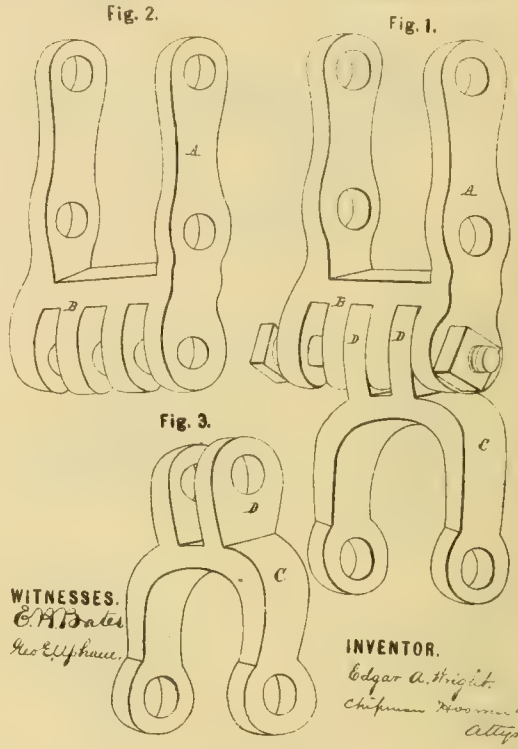
No. 126,934. Patented May 21, 1872.



E. A. WRIGHT.

Improvement in Plow-Clevis.

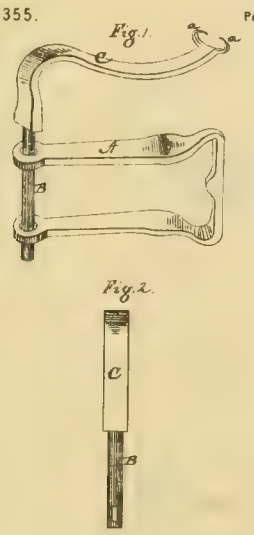
No. 128,087. Patented June 18, 1872.



H. McKINNEY.

Improvement in Plow-Clevis Pin.

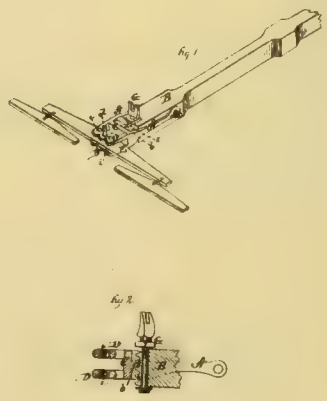
No. 129,355. Patented July 16, 1872.



E. STEWART.

Improvement in Plow-Clevises.

No. 129,614. Patented July 16, 1872.



J. NAPIER.

Improvement in Plow-Clevis.

No. 130,145. Patented Aug. 6, 1872

Fig. 1.

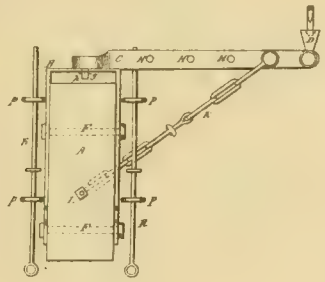
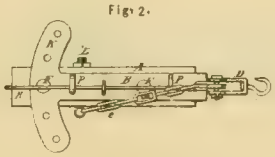


Fig. 2.



Witnesses:
James Eagles
Robert Hanson

Inventor:
James Napier

J. T. HOVIS.

Improvement in Plows.

No. 130,717. Patented Aug. 20, 1872

Fig. 1

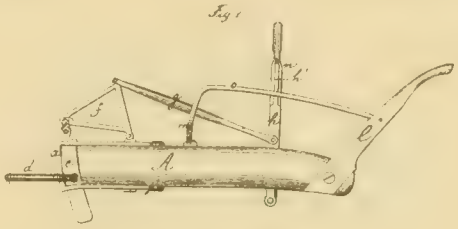
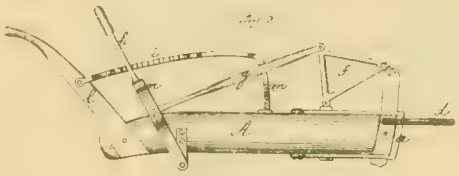


Fig. 2



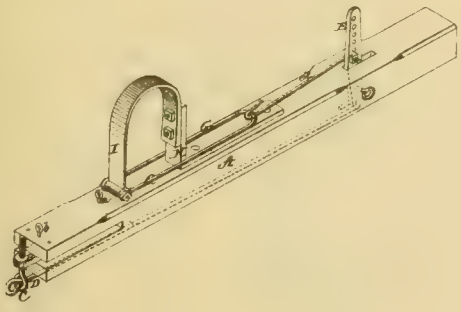
WITNESSES:
Hiram Sanders
A. Bundy

INVENTOR:
John T. Hovis
by Lee E. Brown
Atty

E. R. KAGARICE.

Improvement in Clevises.

No. 132,724. Patented Nov. 5, 1872.



Witnesses
J. A. Gill
G. L. Ewert

Inventor
Emanuel R. Kagarice
By
T. H. Alexander & Co.
Attys.

F. REESE.

Plow-Clevises.

No. 133,799. Patented Dec. 10, 1872.

Fig. 1.

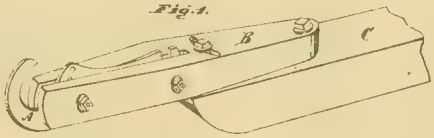
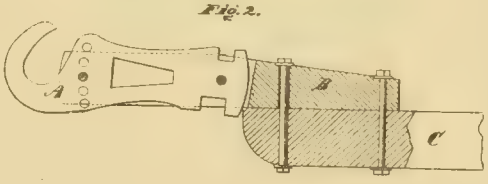


Fig. 2.



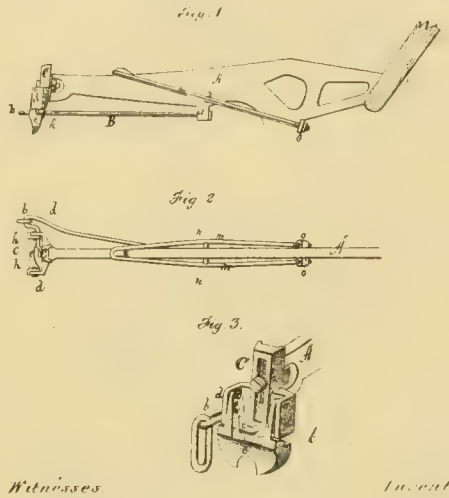
Witnesses.
J. A. Quigley
H. D. Reese

Inventor.
Francis Reese

A. SANBORN.

Plows.

No. 133,802. Patented Dec. 10, 1872.



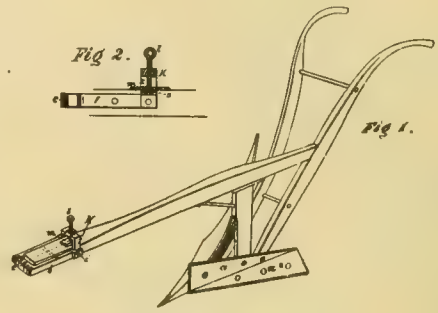
Witnesses
C. F. Brown
M. Church.

Inventor
A. Sanborn
by his Attys.
Isaac Williamson.

C. HARTZELL.

Plows.

No. 134,377. Patented Dec. 31, 1872.



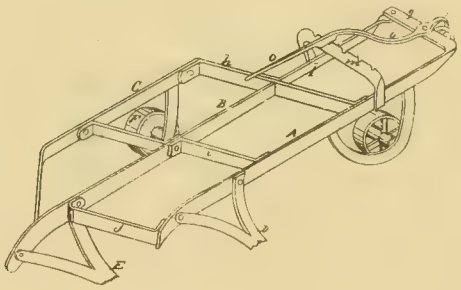
Witnesses
Edward J. McLaine.
John Williams

Inventor
Conrad Hartzell
by
W. M. Pool

A. KAUFMAN.

Plow-Clevises.

No. 137,078. Patented March 25, 1873



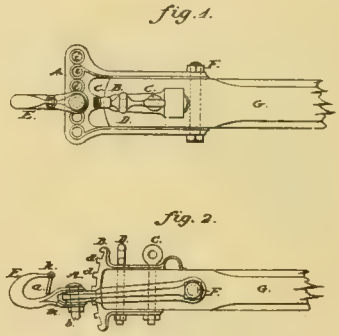
Witnesses
J. L. Boone
C. H. Richardson

Augt. Kaufman
per Drewery & Co
Attys

W. B. JACKSON & J. M. & O. J. CHILDS.

Plows.

No. 138,895. Patented May 13, 1873



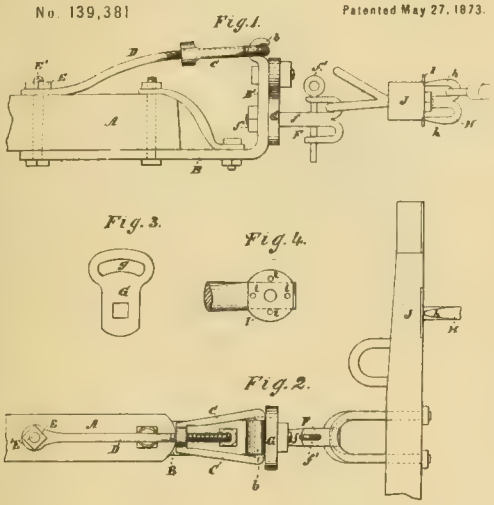
Attest:
Edw. H. Dorr
Lowell White

Inventors:
William B. Jackson
J. Morris Childs
Orlando J. Childs
J. H. Kelly Attorney

R. GIBBS.

Clevis-Bars and Hooks.

No. 139,381 Patented May 27, 1873.



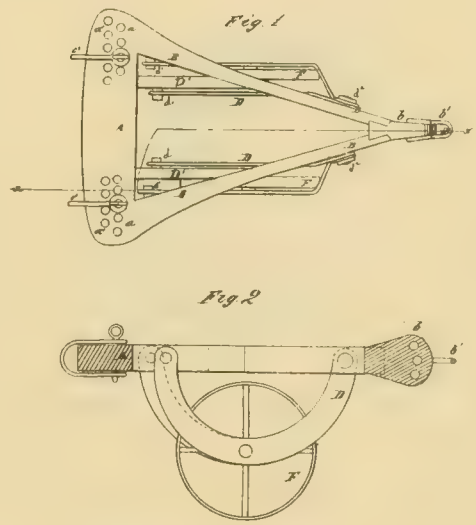
Witnesses:
J. Martins
Solon C. Kemon

Inventor:
Robert Gibbs
Per Munn & Co
Attorneys.

J. FLANAGIN.

Plow-Trucks.

No. 139,564. Patented June 3, 1873.



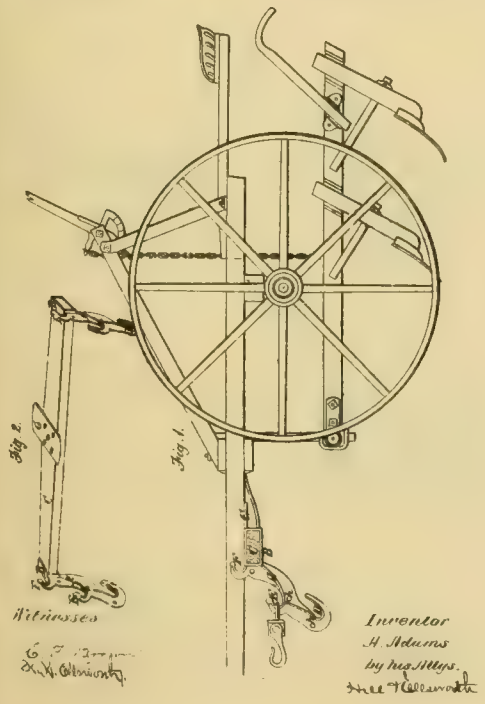
Witnesses:
A. H. Wimpenny
C. Sedgwick

Inventor:
J. Flanagin
Per Munn & Co
Attorneys.

A. ADAMS.

Draft-Hooks for Cultivators.

No. 139,752 Patented June 10, 1873



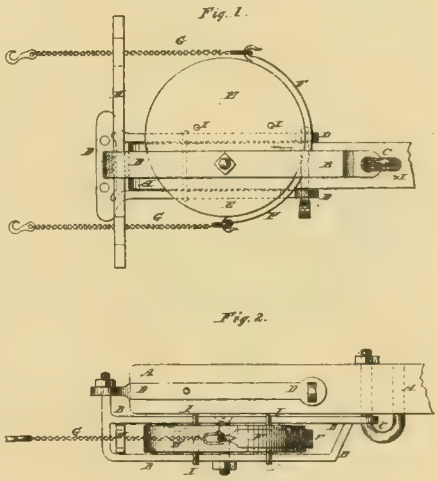
Witnesses
C. F. Brogan
D. H. Ellsworth

Inventor
A. Adams
by his Attys.
Munn & Ellsworth

D. H. KING & W. M. HULSE.

Equalizing Attachments for Plows.

No. 140,632. Patented July 8, 1873.



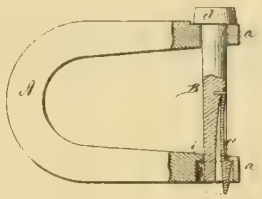
Witnesses:
P. C. Dieterich
C. Sedgwick

Inventor,
D. H. King
W. M. Hulse
Per
Munn & Co
Attorneys.

W. LAHMAN.

Plow-Clevises.

No. 140,715. Patented July 8, 1873.



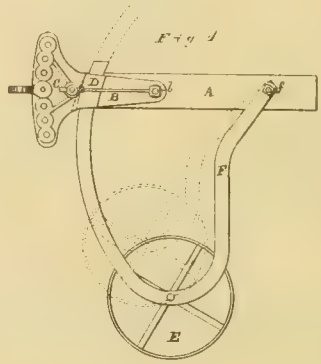
Witnesses:
Henry A. Miller
C. C. Curtis

Inventor:
Wm Lahman
per Shaw & Thacher
Attorneys

C. O. MASON.

Plows.

No. 141,375. Patented July 29, 1873.



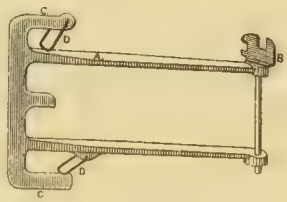
WITNESSES.
P. Harvey
O. L. Pratt

INVENTOR.
Charles O. Mason
By A. McCallum
Atty.

J. H. ARNOLD.

Clevises.

No. 148,345. Patented March 10, 1874.



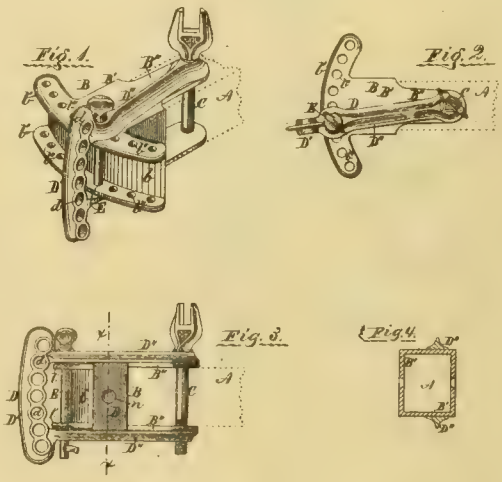
WITNESSES.
Will S. Boies
Lewis J. Langan.

INVENTOR.
James H. Arnold
by S. S. Hewitt
Attorney

G. SHELTON.

Clevises.

No. 157,976. Patented Dec. 22, 1874.



Witnesses:
M. H. Warringer.
Paul Hamilton.

Inventor:
William Shelton,
By W. B. Richards,
Atty.

L. E. SMITH.
Clevises.

No. 158,140. Patented Dec. 22, 1874.

Fig. 1.

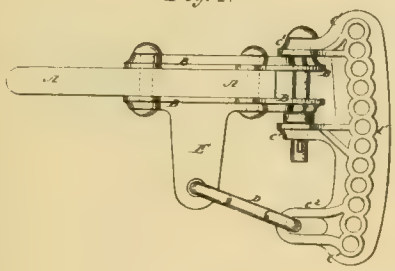
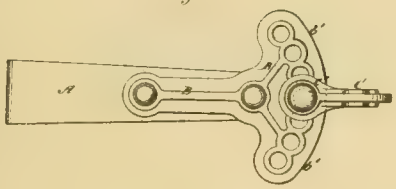


Fig. 2



WITNESSES:
C. Wolff
A. F. Tenney

INVENTOR:
Seaver E. Smith
BY Munn & Co.
ATTORNEYS.

E. O. HARVEY.
Clevis.

No. 159,549 Patented Feb. 9, 1875.

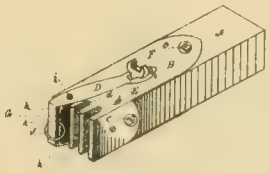


Fig. 1.

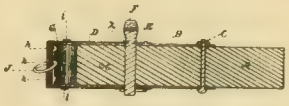


Fig. 2.

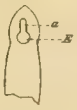


Fig. 3.

Fig. 4.

Witnesses;
Samuel C. Cross
H. E. Mackey

Inventor;
Ethel O. Harvey,
PER C. A. Shaw,
Atty.

C. H. FOSS.
Clevis.

No. 159,662 Patented Feb. 9, 1875.

FIG. 1.

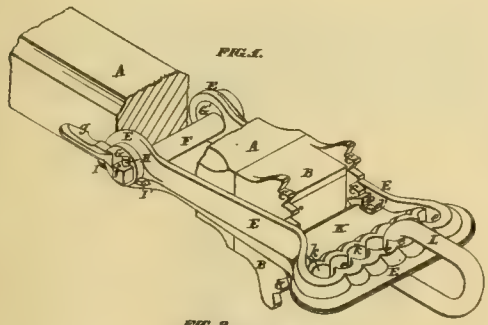
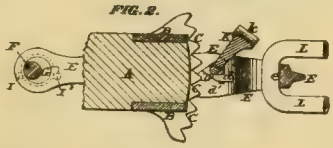


FIG. 2.



ATTEST:
Robert Burns.
Henry Clemes

INVENTOR:
Charles H. Foss.
By Knight Bros.
Attys.

L. J. SEELY.
Draft-Equalizer.

No 160,355 Patented March 2, 1875

Fig. 1.

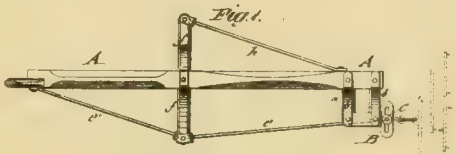


Fig. 2

Fig. 3.

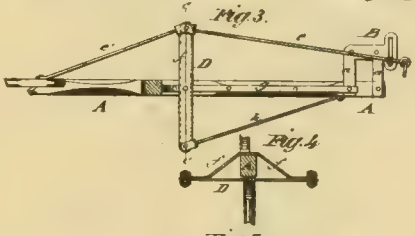


Fig. 4

Fig. 5

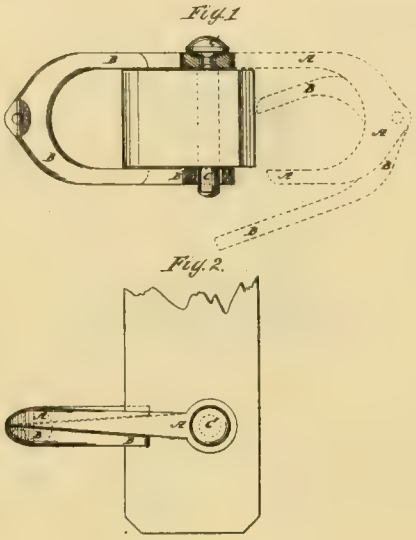
WITNESSES:
Francis McArdle.
A. F. Tenney

INVENTOR:
L. J. Seely
BY Munn & Co.
ATTORNEYS.

C. N. POUNDSTONE.

Safety-Clevis.

No. 165,253. Patented July 6, 1875.



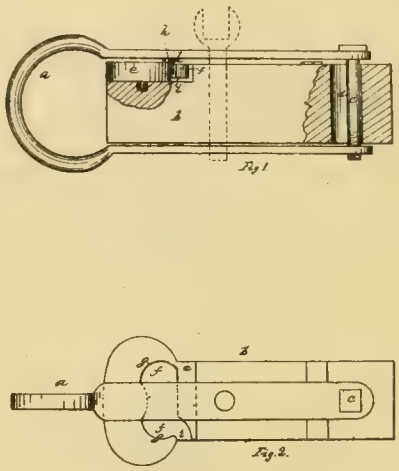
WITNESSES:
E. Wolff
H. F. Terry

INVENTOR:
Charles N. Poundstone
BY
ATTORNEYS.

F. C. MERRILL.

Side-Hill Plow-Clevis.

No. 166,935. Patented Aug. 24, 1875.



Witnesses:
Frank H. Jordan
H. Porter Hall

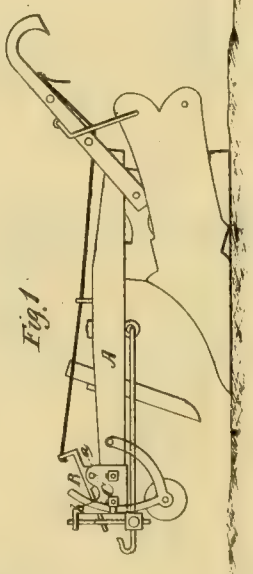
Inventor:
Freeman C. Merrill
per
the Kingy Office
Atty.

2 Sheets—Sheet 1.

B. B. HAWES.

FURROW GAGE FOR PLOWS.

No. 170,256. Patented Nov. 23, 1875.



WITNESSES
E. H. Bates
Francis J. Clark

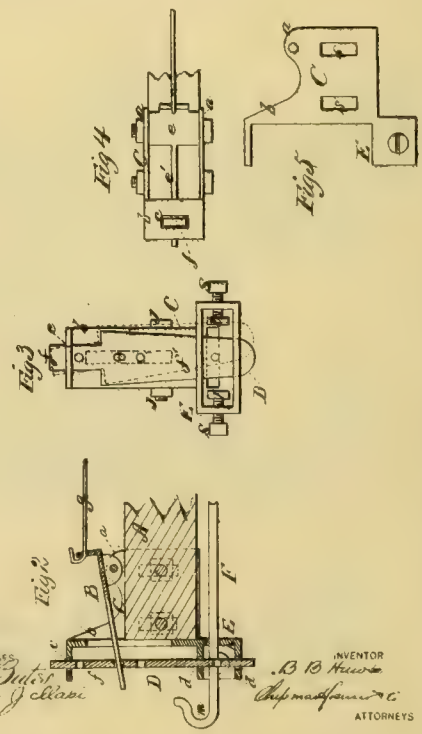
INVENTOR
B. B. Hawes.
Chipman & Forman & C.
ATTORNEYS

2 Sheets—Sheet 2.

B. B. HAWES.

FURROW GAGE FOR PLOWS.

No. 170,256. Patented Nov. 23, 1875.



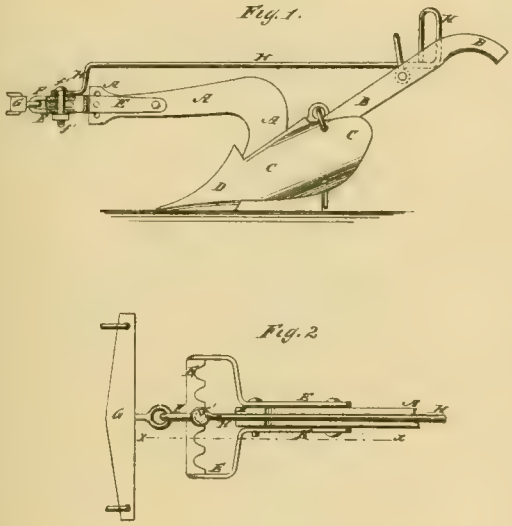
WITNESSES
E. H. Bates
Francis J. Clark

INVENTOR
B. B. Hawes
Chipman & Forman & C.
ATTORNEYS

J. G. MILLER.

CLEVISES.

No. 170,758. Patented Dec. 7, 1875.



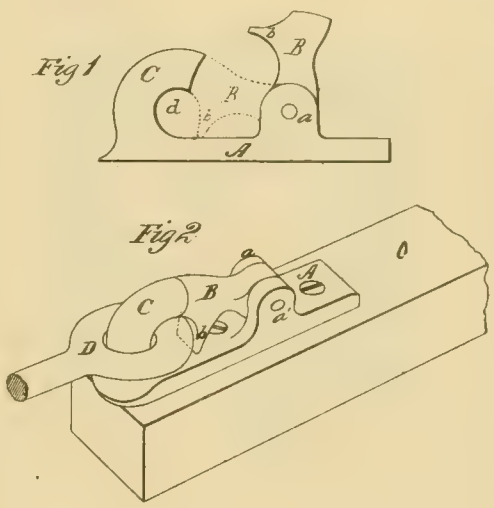
WITNESSES:
E. Wolff
Alex. F. Roberts

INVENTOR:
J. G. Miller
by Munn & Co.
ATTORNEYS.

J. D. TRACY & J. F. PLATT.

HOOKS FOR HARROWS.

No. 171,197. Patented Dec. 14, 1875.



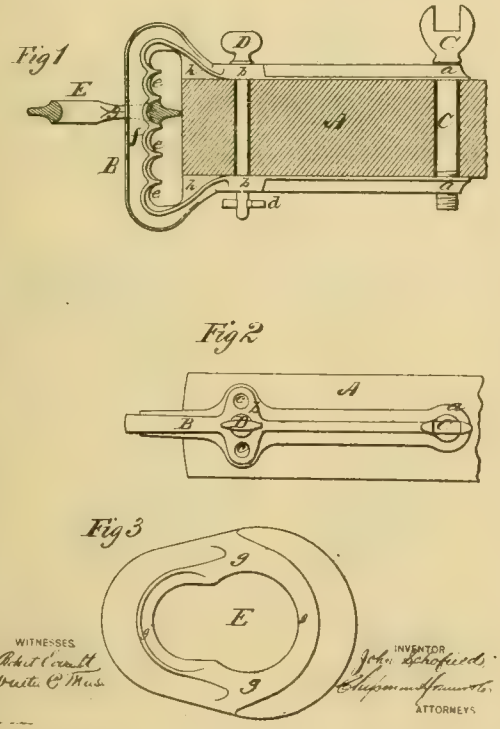
WITNESSES
Robert Everett
Walter C. Hall

INVENTOR
John D. Tracy
James F. Platt
Dyer, Tullar & Co.,
ATTORNEYS

J. SCHOFIELD.

CLEVIS.

No. 172,180. Patented Jan. 11, 1876.



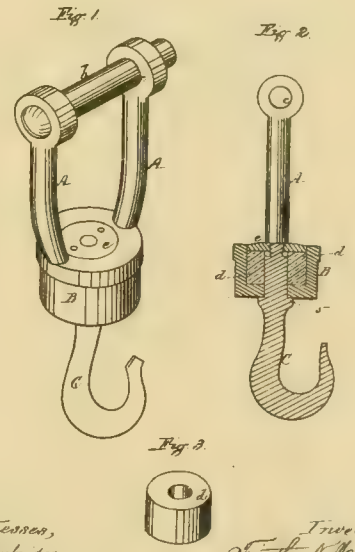
WITNESSES
Robert Everett
Walter C. Hall

INVENTOR
John Schofield
Dyer, Tullar & Co.
ATTORNEYS

T. N. MACHIN.

ELASTIC-CLEVIS.

No. 175,572. Patented April 4, 1876.



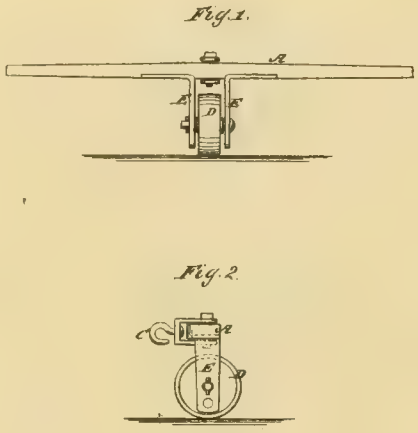
Witnesses,
W. J. Cambridge
H. Fleischmann

Inventor,
Timothy N. Machin
per Fleischmann & Harris
Attys

T. B. BALDWIN.

WHIFFLETREE ATTACHMENTS FOR PLOWS.

No. 176,212. Patented April 18, 1876.



WITNESSES:
E. Wolff.
John Goethals

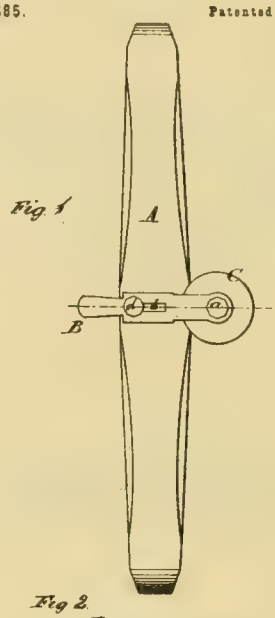
INVENTOR:
T. B. Baldwin
BY
ATTORNEYS.

L. C. EATON, dec'd.

JULIA M. EATON, Adm'x.

SPRING-CLEVIS.

No. 179,285. Patented June 27, 1876.



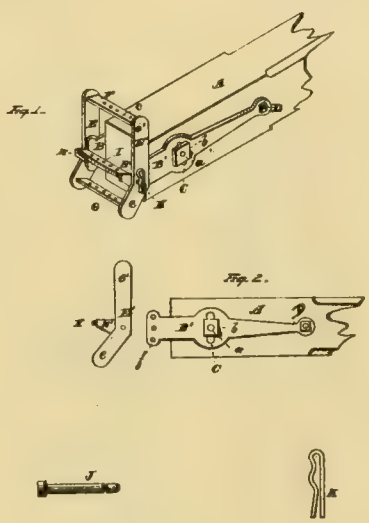
WITNESSES
M. F. Utley
John F. Dickey

INVENTOR
Julia M. Eaton
Administratrix of
Lewis C. Eaton
Gilmore Smith & Co. ATTORNEYS

J. B. MORRISON.

DRAFT-EQUALIZERS.

No. 179,485. Patented July 4, 1876.



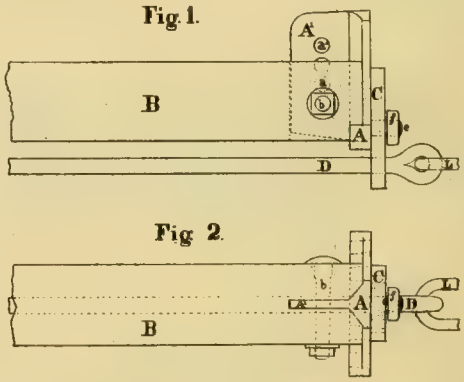
WITNESSES
E. A. Hildreth
A. W. Bright

INVENTOR
Joseph B. Morrison
By H. A. Seymour
Attorney

J. NOURSE & J. A. HOWE.

FURROW-GAGES FOR PLOWS.

No. 180,726. Patented Aug. 8, 1876.



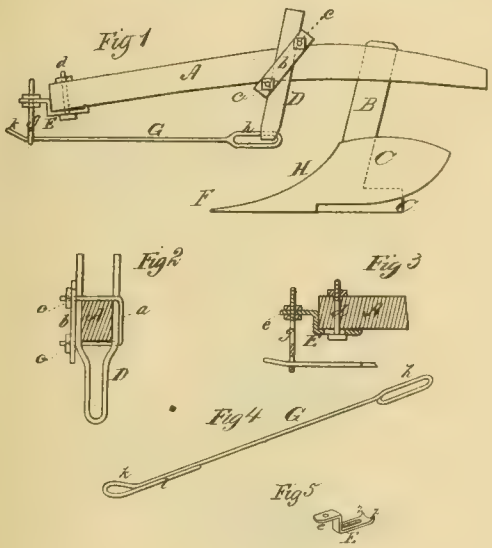
Witnesses.
E. A. Hildreth
Geo. E. Burt.

Inventors.
Joel Nourse
James A. Howe

A. B. KING.

DRAFT FOR PLOWS.

No. 181,180. Patented Aug. 15, 1876.



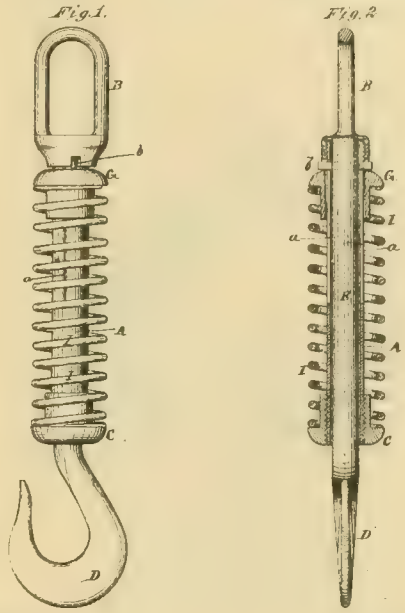
WITNESSES
Villette Anderson
Francis J. Hasi

INVENTOR
A. B. King
by E. W. Anderson
ATTORNEY

J. F. CHASE.

SPRING CLEVIS.

No. 181,313. Patented Aug. 22, 1876.



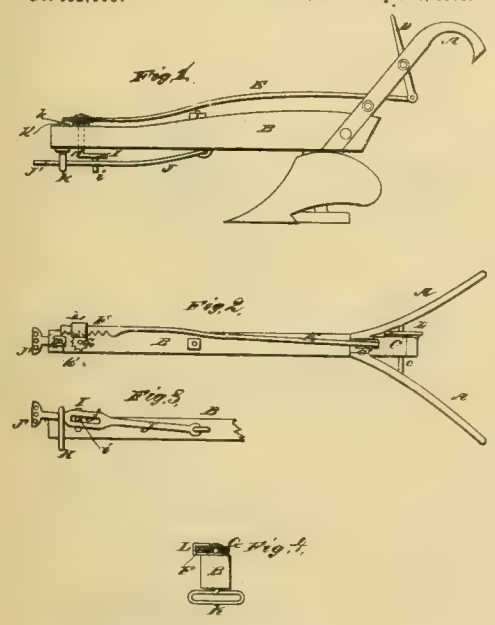
Witnesses.
C. L. Quint
H. V. Mueller

Inventor
John F. Chase

B. B. HAWSE.

FURROW-GAGE FOR PLOWS.

No. 182,665. Patented Sept. 26, 1876.



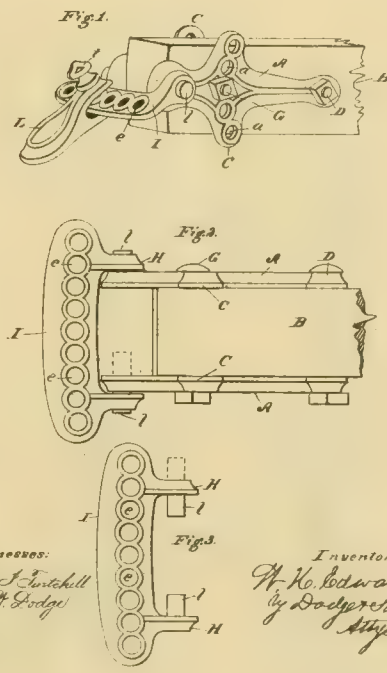
WITNESSES
H. F. Bates
George E. Upham

INVENTOR
Benjamin B. Hawse
by Gilmore Smith & Co.
ATTORNEYS

W. H. EDWARDS.

CLEVIS.

No. 183,551. Patented Oct. 24, 1876.



Witnesses:
Sonn. T. Turtchell
Will H. Dodge

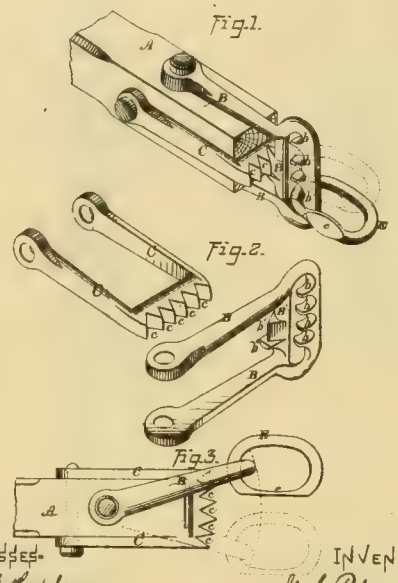
Inventor.
W. H. Edwards.
by Dodgerton
Attys.

2 Sheets—Sheet 1.

C. ROBINSON.

CLEVIS FOR PLOWS.

No. 188,413. Patented March 13, 1877.



WITNESSES:
Jas. E. Hutchinson
Henry G. Hazard.

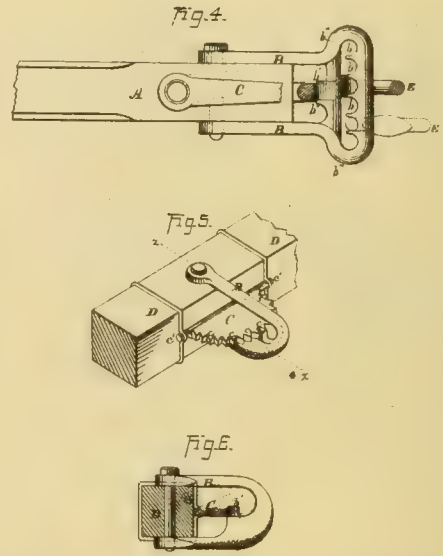
INVENTOR.
Mark Robinson, by
Prindle & Lochrie Attys.

2 Sheets—Sheet 2.

C. ROBINSON.

CLEVIS FOR PLOWS.

No. 188,413. Patented March 13, 1877.



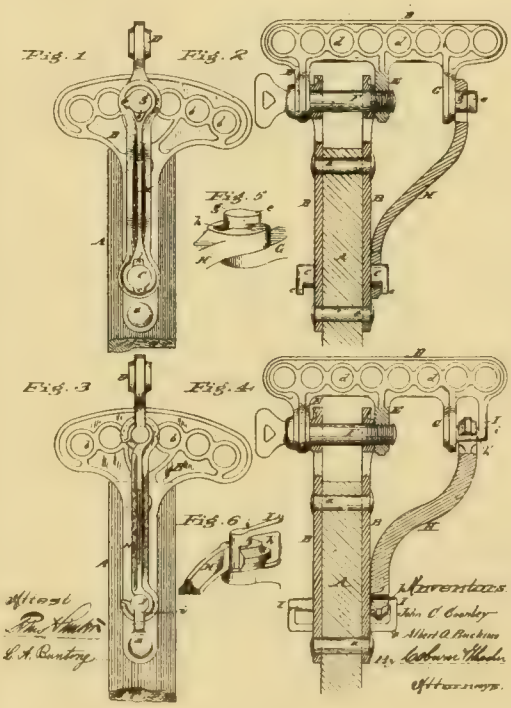
WITNESSES:
Jas. E. Hutchinson
Henry G. Hazard.

INVENTOR.
Mark Robinson, by
Prindle & Lochrie Attys.

J. C. COONLEY & A. C. BUCKIUS.

CLEVIS.

No. 189,021. Patented April 3, 1877.



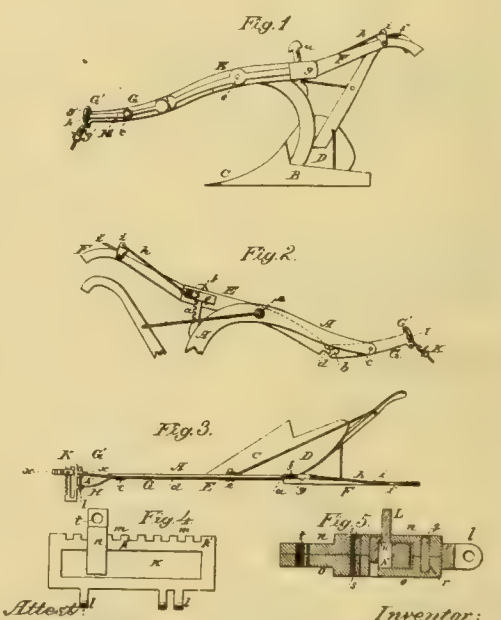
Witnesses:
Thos. Hughes
E. A. Bentley

Inventors:
Thos. C. Coonley
& Albert C. Buckius
by Lehmann & Hughes
Attorneys.

J. A. OLSON.

PLOW.

No. 190,070. Patented April 24, 1877.

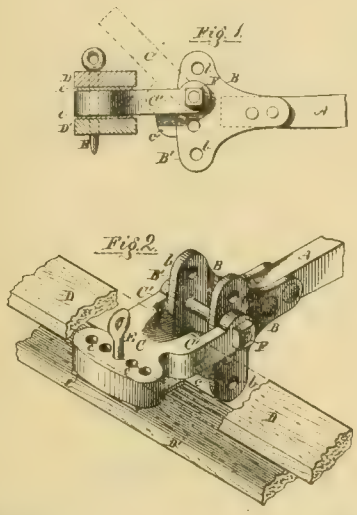


Attest:
Jno. P. Brooks.
M. S. Ditmar

Inventor:
John A. Olson,
by Louis Bagger & Co.
Attys.

W. S. WEIR.
CLEVIS.

No. 190,653. Patented May 8, 1877.

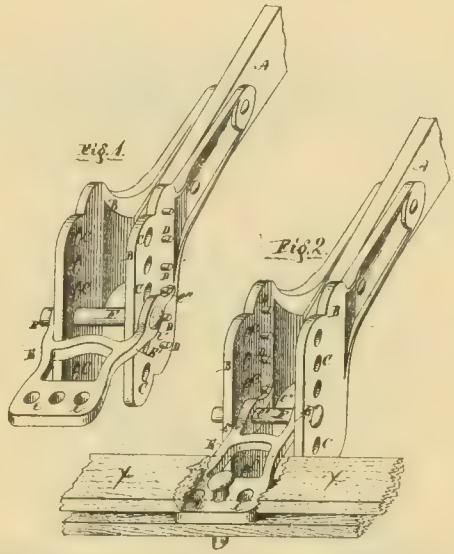


Witnesses:
Chas Tupper
S. R. Richards

Inventor:
William S. Weir,
By W. B. Richards,
Atty.

C. O. WILDER.
PLOW-CLEVIS.

No. 191,629. Patented June 5, 1877.

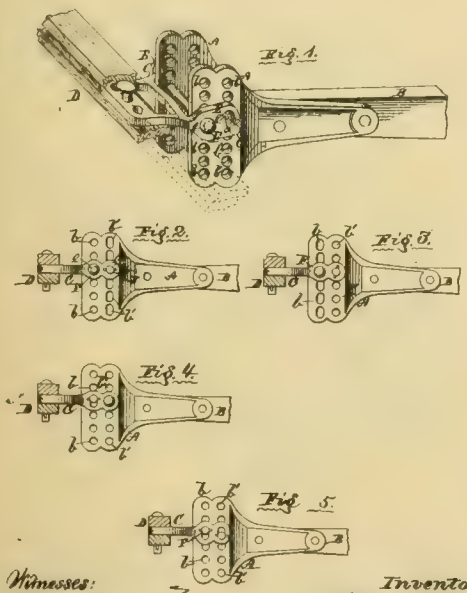


Witnesses:
Chas Tupper
S. R. Richards

Inventor:
Chas C. Wilder,
By W. B. Richards,
Atty.

W. S. WEIR.
PLOW-CLEVIS.

No. 192,608. Patented July 3, 1877.

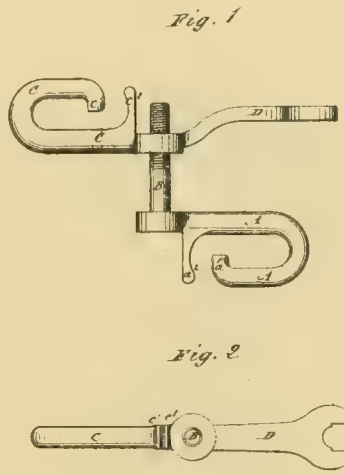


Witnesses:
Chas Tupper
S. R. Richards

Inventor:
William S. Weir,
By W. B. Richards,
Atty.

J. A. VANN.
REVERSIBLE PLOW-HOOKS.

No. 194,276. Patented Aug. 14, 1877.

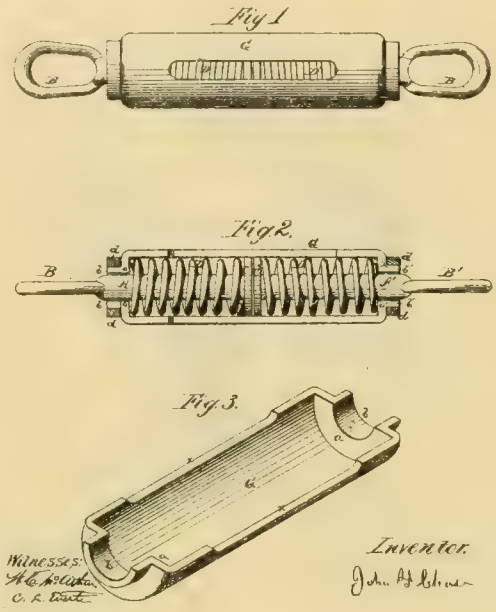


WITNESSES:
C. Newell
J. H. Jearborough.

INVENTOR:
J. A. Vann
By Munn & Co.
ATTORNEYS.

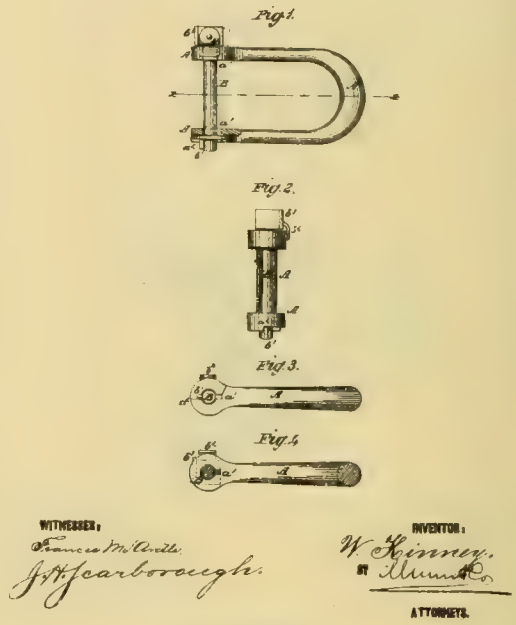
J. F. CHASE.
Spring Plow-Clevis.

No. 198,275. Patented Dec. 18, 1877.



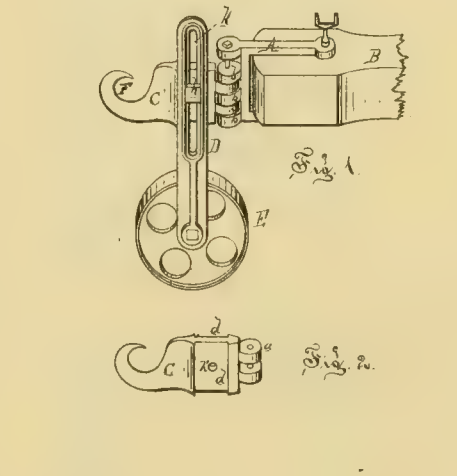
W. KINNEY.
Clevis.

No. 199,073. Patented Jan. 8, 1878.



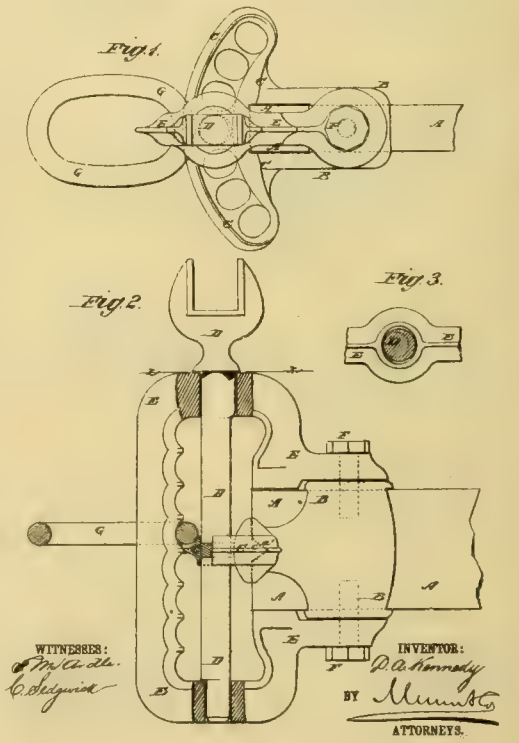
H. GALE.
Plow-Wheel Attachment.

No. 199,636. Patented Jan. 29, 1878.



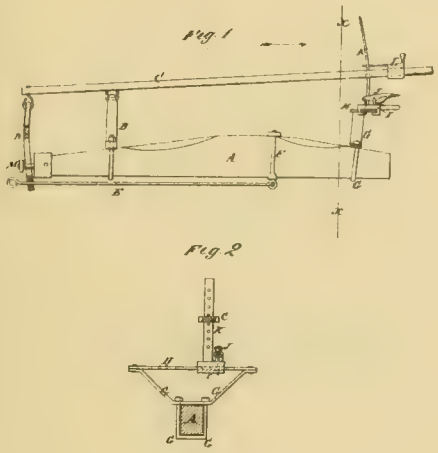
D. A. KENNEDY.
Plow-Clevis.

No. 200,730. Patented Feb. 26, 1878.



D. M. JOHNSON.
Plow-Regulators.

No. 200,919. Patented March 5, 1878.

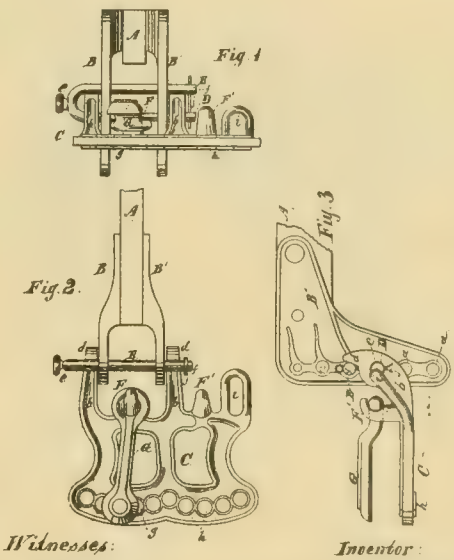


WITNESSES:
N. W. Hemgood
J. H. Jeanbourgh

INVENTOR:
D. M. Johnson
BY
Munn & Co.
ATTORNEYS.

H. T. NOBLE.
Plow-Clevis.

No. 201,120. Patented March 12, 1878.

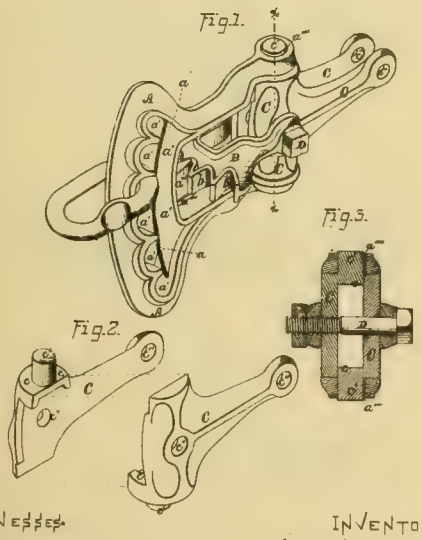


Witnesses:
Hiram F. Burns
O. W. Bond.

Inventor:
Henry T. Noble
By Wisk & Bond
attys

C. ROBINSON.
Plow Clevis.

No. 201,837. Patented March 26, 1878.

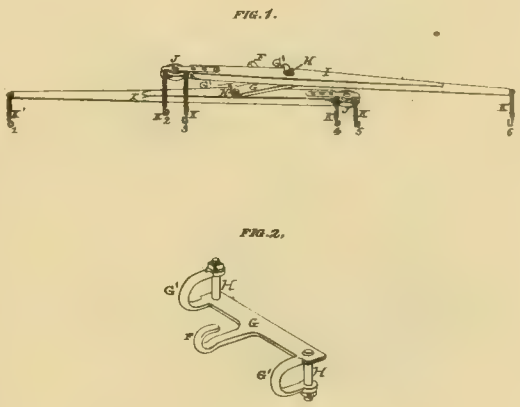


WITNESSES:
Jacob Hutchinson.
Henry G. Hazard.

INVENTOR.
Clark Robinson, by
Prindle & Lawrence Attys

H. F. JERAULD & J. W. STOLLE.
Sulky-Plow.

No. 202,349. Patented April 16, 1878.

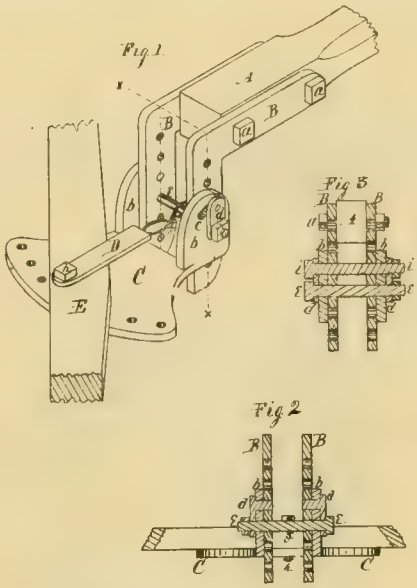


ATTEST:
Robert Burns
L. Blond Burdett

INVENTORS:
Henry F. Jerauld
James W. Stolle
per Henry A. Bond
atty

E. A. SANDERS.
Plow-Clevis.

No. 204,253. Patented May 28, 1878.

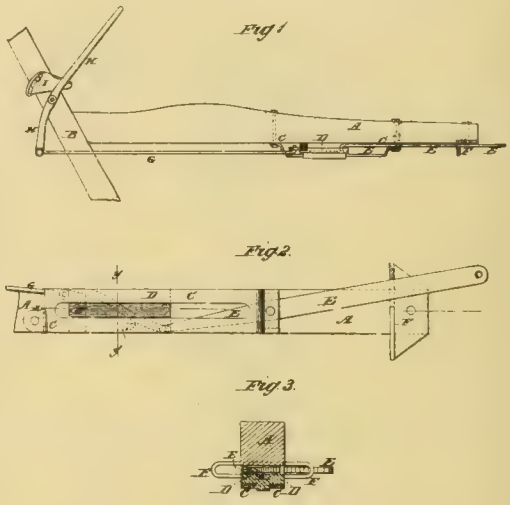


Witnesses.
A. O. Bihl
John Nelson

Inventor
Ebenezer A. Sanders
Per Jacob Bichel
Atty

W. A. WOODWARD.
Draft-Adjuster for Plow.

No. 205,327. Patented June 25, 1878.

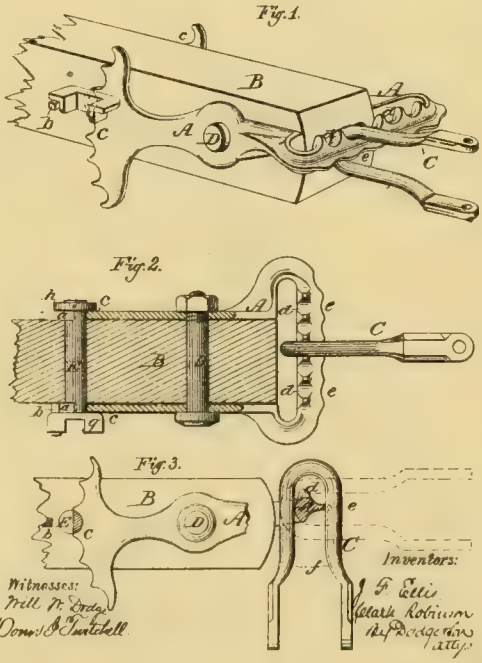


WITNESSES:
Francis McCleale.
C. Siegrist

INVENTOR:
W. A. Woodward
BY Munn & Co.
ATTORNEYS.

J. F. ELLIS & C. ROBINSON.
Plow-Clevis.

No. 206,167. Patented July 23, 1878.

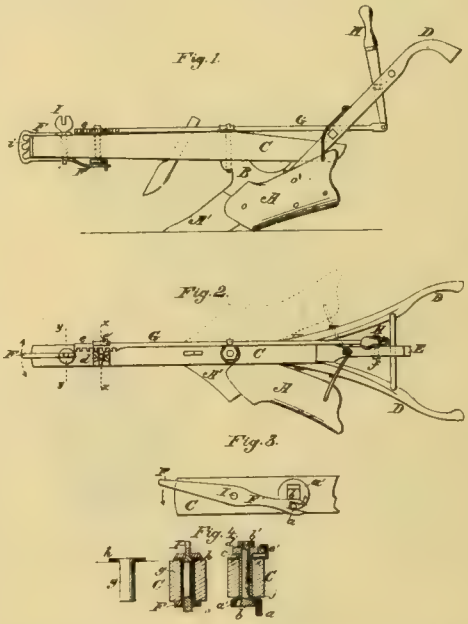


Witnesses:
Nell N. Gray
Dorus S. Cuttell

Inventors:
J. F. Ellis
Clark Robinson
By Dodge & Sons
Attys

W. E. WHITCOMB.
Plow.

No. 206,511. Patented July 30, 1878.

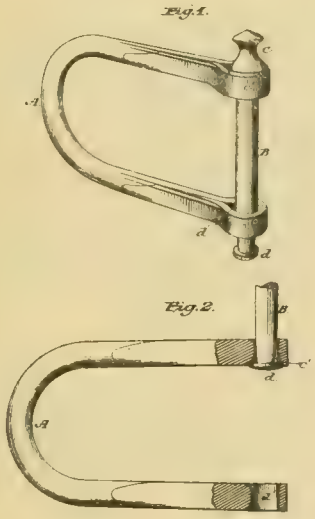


Attest:
F. H. Schlitt
E. A. Dick

Inventor
William E. Whitcomb
by Geo. H. Fasthorne
John A. Fasthorne

H. M. WILLIS.
Clevis-Bolt.

No. 207,375. Patented Aug. 27, 1878.



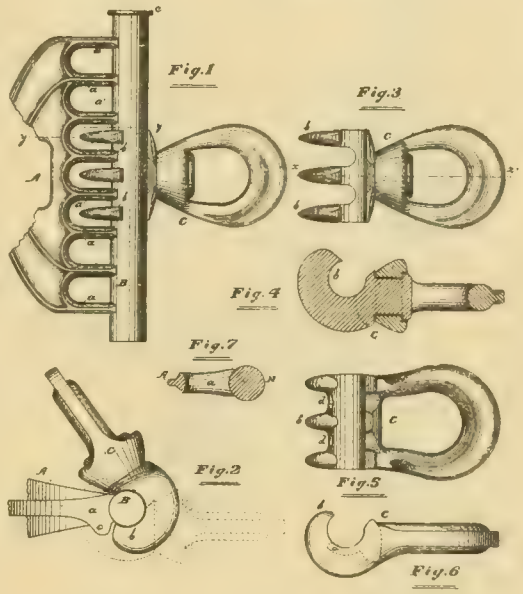
WITNESSES
John A. Ellis
C. H. Bates

Henry M. Willis
INVENTOR
by Geo. A. Sawyer
ATTORNEY

3 Sheets—Sheet 1.

C. F. SEARCH.
Clevis.

No. 208,042. Patented Sept. 17, 1878.



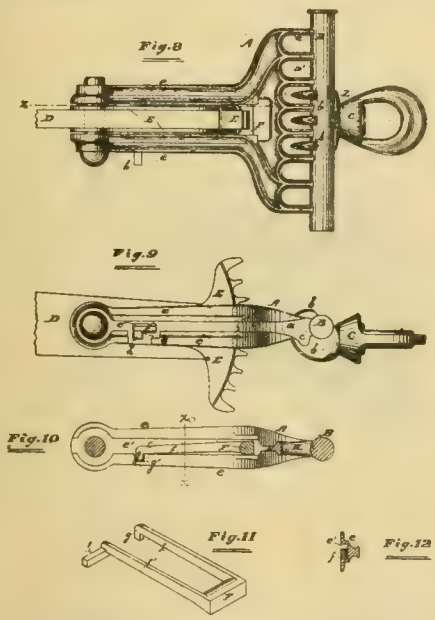
Attest:
S. J. Mackellar
O. L. Fox

INVENTOR:
Cayen F. Search
By Coyne Bro. his
Attorneys

3 Sheets—Sheet 2.

C. F. SEARCH.
Clevis.

No. 208,042. Patented Sept. 17, 1878.



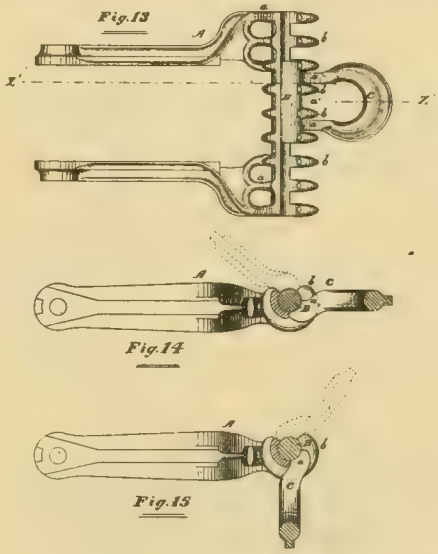
Attest:
S. J. Mackellar
O. L. Fox

INVENTOR:
Cayen F. Search
By Coyne Bro. his
Attorneys.

3 Sheets—Sheet 3

C. F. SEARCH.
Clevis.

No. 208,042. Patented Sept. 17, 1878.

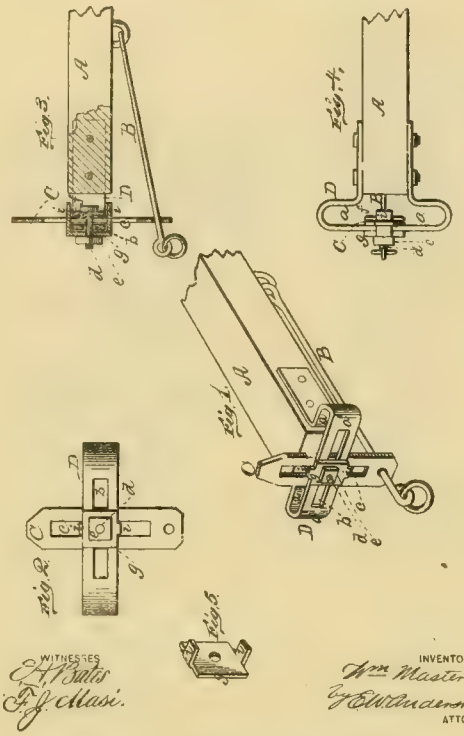


Attest:
S. J. Mackellar
O. L. Fox

INVENTOR:
Cayen F. Search
By Coyne Bro. his
Attorneys.

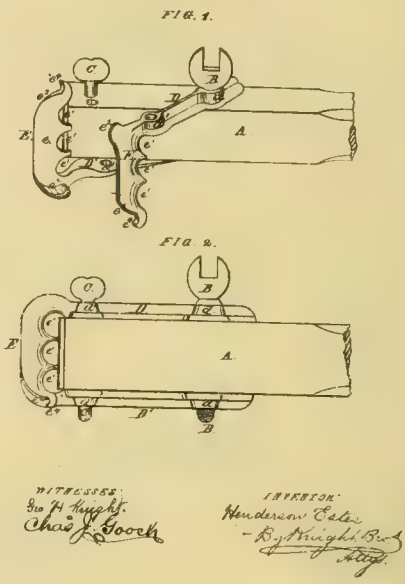
W. MASTERS.
Plow-Clevis.

No. 208,621. Patented Oct. 1, 1878.



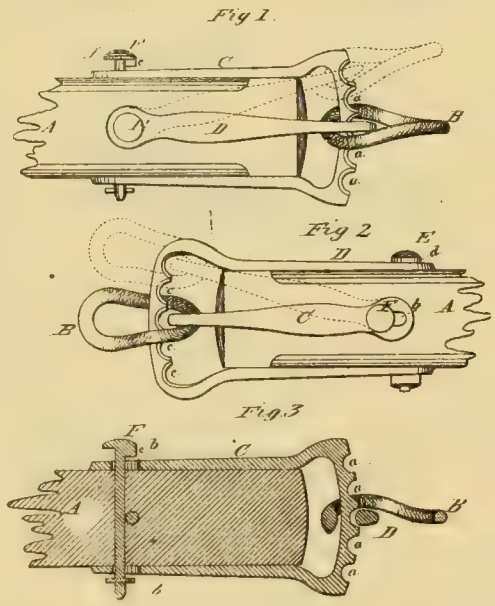
H. ESTES.
Plow-Clevis.

No. 208,899. Patented Oct. 15, 1878.



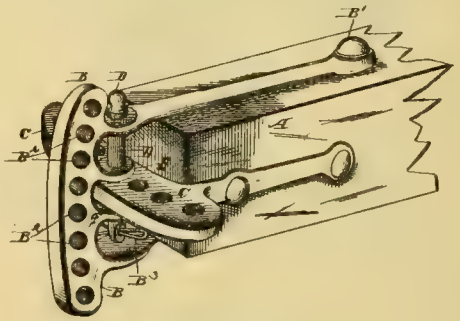
J. W. POWERS.
Plow-Clevis.

No. 210,877. Patented Dec. 17, 1878.



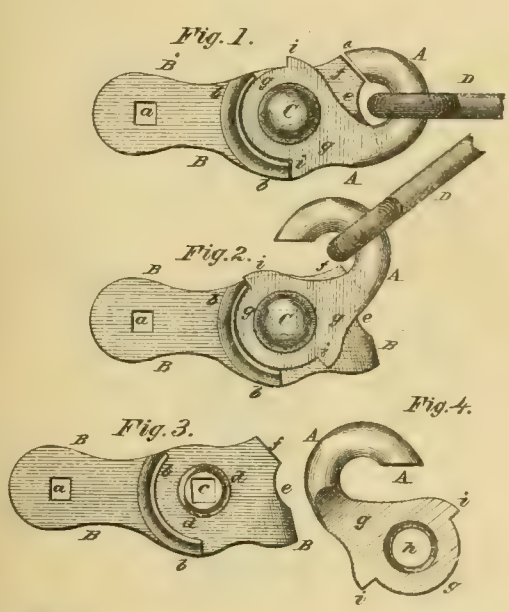
J. SIMPSON.
Clevis.

No. 214,793. Patented April 29, 1879.



J. F. BEDNAR.
Draft-Hook.

No. 217,194. Patented July 8, 1879.

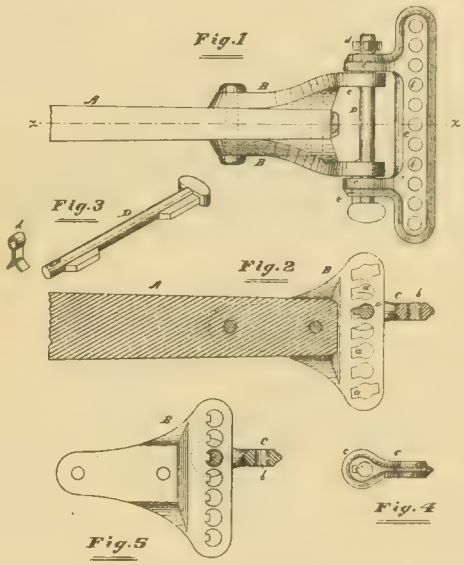


Witnesses:
P. Dieterich
Jamb Duff

Inventor
Joseph F. Bednar.
Per Manahan & Ward Attorneys.

C. S. ELLS.
Clevis.

No. 217,352. Patented July 8, 1879.



Attest:
Wm. F. Hartock
D. J. Macauley

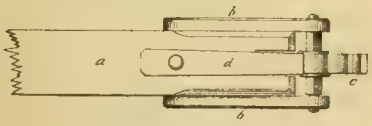
INVENTORS:
Charles Stewart Ells
By Coyne Bros. his Attorneys.

J. F. MITCHEL.
Plow-Clevis.

No. 220,938. Patentod Oct. 28, 1879

FIG. 1.

FIG. 2.



ATTEST.
Chas. M. Higgins
John Brown

INVENTOR.
J. F. Mitchel
by J. H. Walker Jr.
Atty.

I. L. MYERS.
Plow-Clevis.

No. 221,851. Patented Nov. 18, 1879.

FIG. 1.

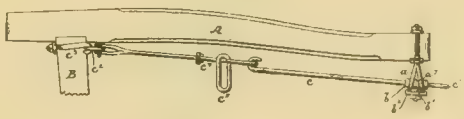


FIG. 2.

FIG. 3.

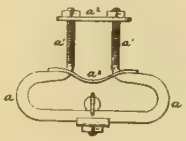


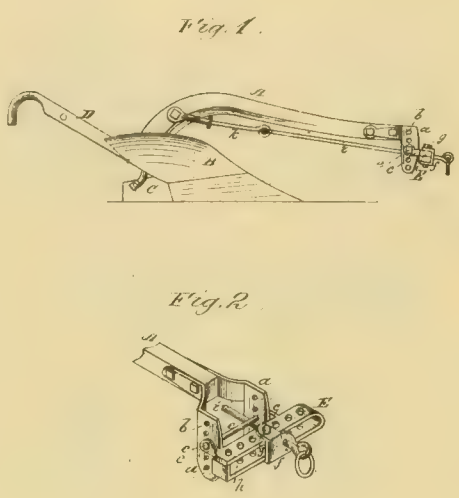
FIG. 4.

Witnesses.
Saml. R. Turner
Edwin Bailey

Inventor:
Isaac L. Myers
per R. Bros. A. P. Lacey
Atty's

H. & L. IWAN.
Draft Attachment to Plows.

No. 224,917. Patented Feb. 24, 1880.

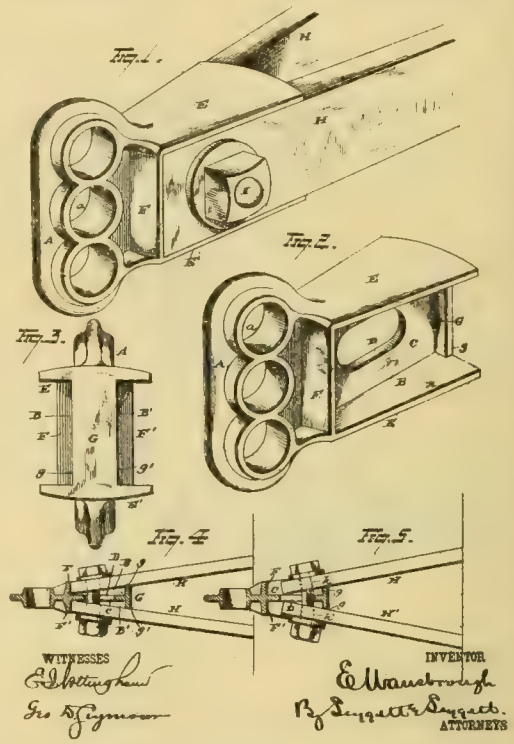


Witnesses
Nat. E. Stillant.
Geo. A. Porter

Inventors
Henry Iwan.
Louis Iwan.
per Chas. H. Fowler
Attorney

E. WANSBROUGH.
Clevis.

No. 226,137 Patented Mar. 30 1880

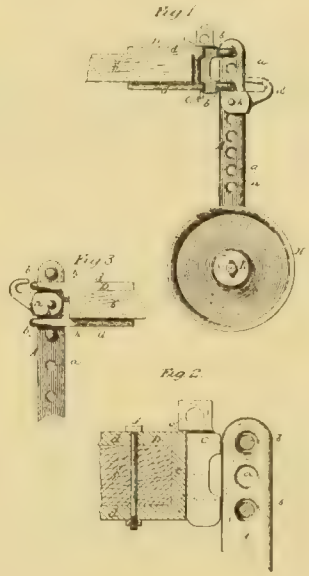


WITNESSES
G. D. Nottingham
Geo. D. Seymour

INVENTOR
E. Wansbrough
By Duggett & Duggett.
ATTORNEYS

E. R. McCALL.
Plow Attachment.

No. 226,667. Patented April 20, 1880.



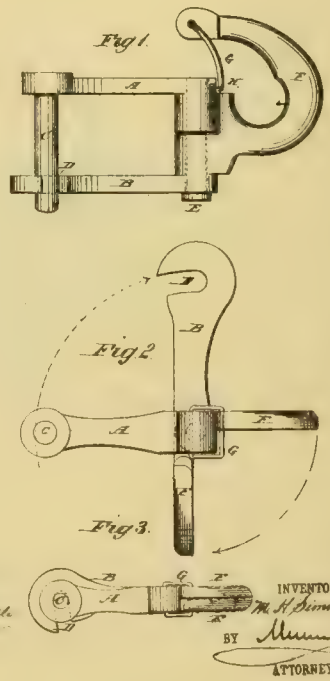
Attest
Thos. Wm. Cook
Wm. R. Cornell Jr.

Inventor
Edwin R. McCall
by Myers & Co.
Attorney

(No Model.)

M. H. SIMMONS.
Self-Locking Clevis.

No. 228,129. Patented May 25, 1880.



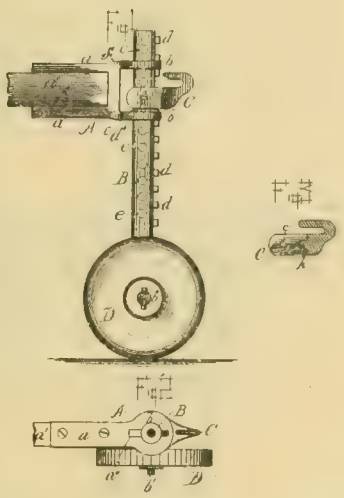
WITNESSES:
Wm. M. Cook
E. Duggett

INVENTOR:
M. H. Simmons
BY Munn & Co.
ATTORNEYS.

(No Model.)

E. R. McCALL.
Plow Attachment.

No. 228,916. Patented June 15, 1880.



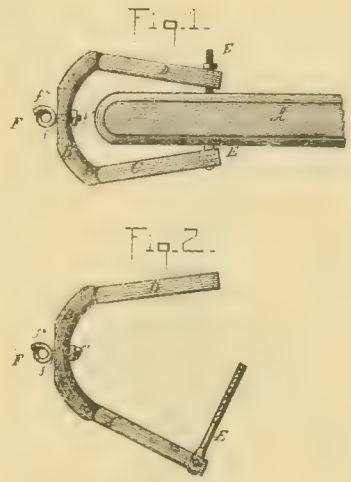
WITNESSES
Will R. Cruikshank
Lou J. Thodwick

INVENTOR
Edwin R. McCall
By Myers & Co.
ATTORNEYS.

(No Model.)

W. A. JENNINGS.
Clevis.

No. 235,248. Patented Dec. 7, 1880.



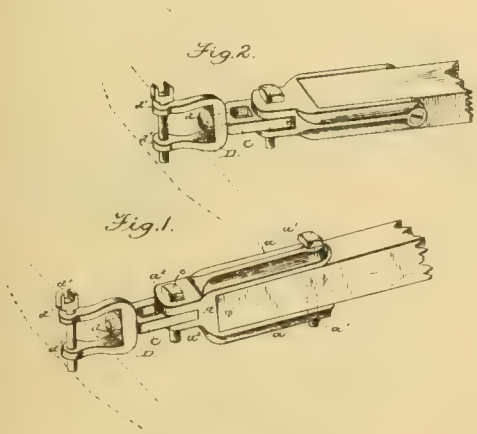
WITNESSES:
H. S. Brown
C. H. Rowe

INVENTOR:
Wm. A. Jennings
By Munn & Co.
ATTORNEYS.

(No Model.)

A. SANFORD.
Clevis.

No. 237,447. Patented Feb. 8, 1881.

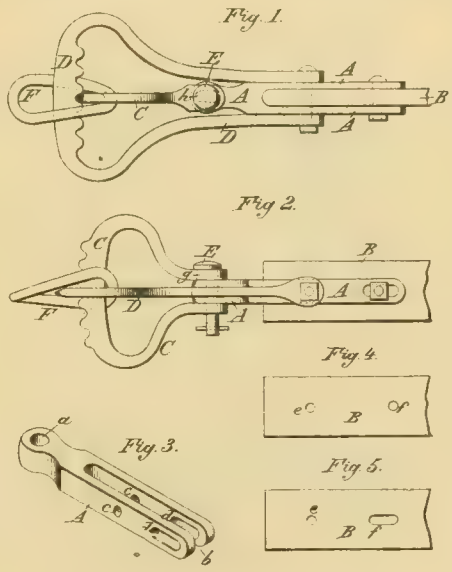


Witnesses:
F. Walter Fowler,
Ed. P. Church.

Inventor;
Albert Sanford
By Hill & Church
Her atty.

J. W. POWERS.
Plow Clevis.

No. 237,772. Patented Feb. 15, 1881.



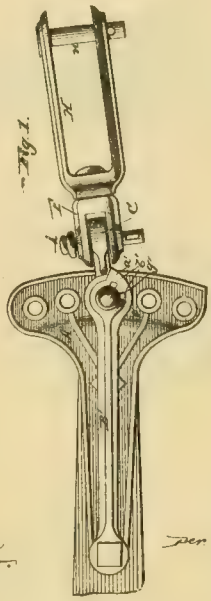
Attest:
J. H. Schott.
J. C. Fischer.

Inventor:
Jay W. Powers

(Model.) 2 Sheets—Sheet 1.

I. R. GILBERT.
Plow Clevis.

No. 238,384. Patented March 1, 1881.



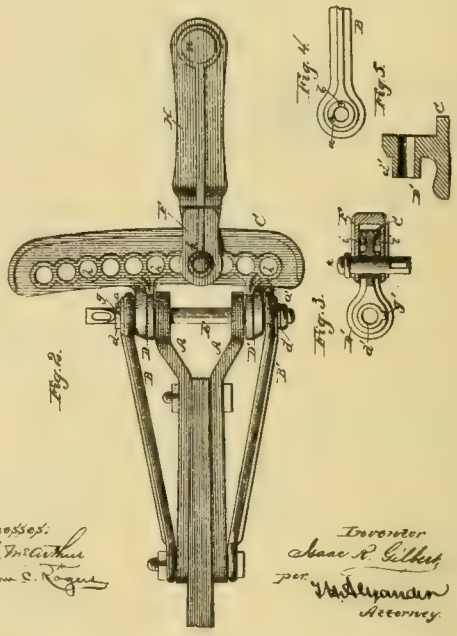
Witnesses:
H. C. McArthur
John S. Rogers

Inventor
Isaac R. Gilbert
per Wm. Alexander
Attorney

(Model.) 2 Sheets—Sheet 2.

I. R. GILBERT.
Plow Clevis.

No. 238,384. Patented March 1, 1881.



Witnesses:
H. C. McArthur
John S. Rogers

Inventor
Isaac R. Gilbert
per Wm. Alexander
Attorney.

(No Model.)

S. P. BAUGHMAN.
Clevis.

No. 239,700. Patented April 5, 1881.

Fig. 1

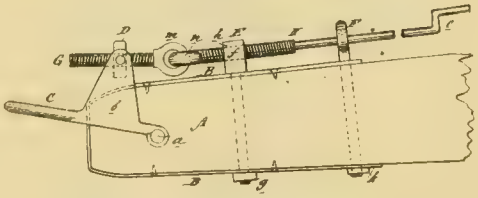


Fig. 2

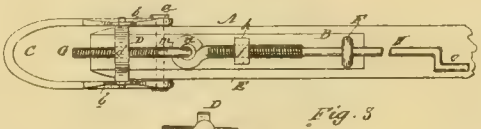
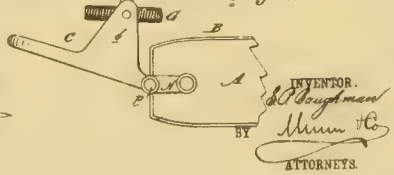


Fig. 3



WITNESSES:
C. Niveux
C. Sedgwick

INVENTOR.
S. P. Baughman
BY Munn & Co.
ATTORNEYS.

(No Model.)

J. T. CUNNINGHAM.
Plow Beam Attachment.

No. 239,735. Patented April 5, 1881.

Fig. 1.

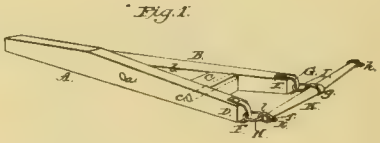


Fig. 2.

WITNESSES
John A. Ellis.
Philip Williams

By his Attorneys
Anderson & Smith

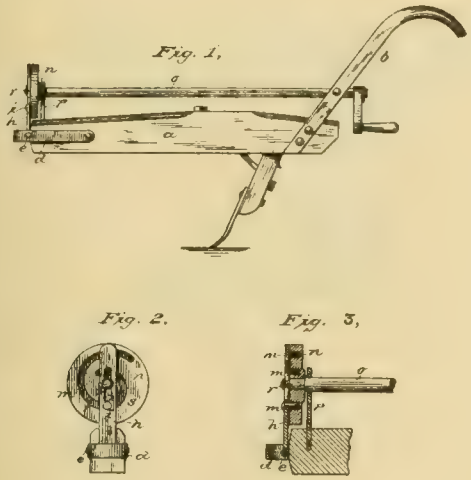
INVENTOR
James T. Cunningham

(No Model.)

J. H. PALM.

Plow Clevis Adjuster.

No. 241,709. Patented May 17, 1881.



WITNESSES:

INVENTOR:

James H. Palm

BY

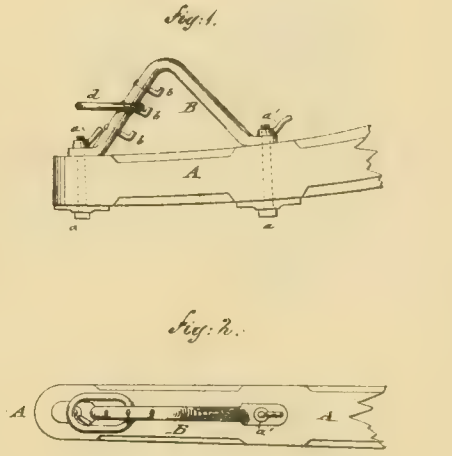
ATTORNEYS.

(No Model.)

C. NECKER.

CLEVIS.

No. 245,390. Patented Aug. 9, 1881.



WITNESSES:

INVENTOR

Christoph Necker

BY

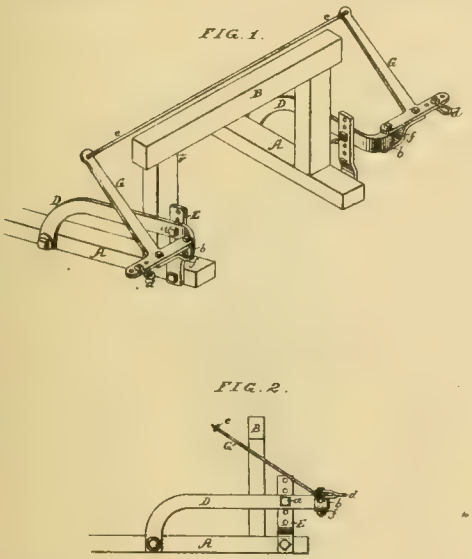
ATTORNEY

(No Model.)

F. BATEMAN.

DRAFT EQUALIZER.

No. 245,432. Patented Aug. 9, 1881.



Witnesses.

Inventor

Frank Bateman

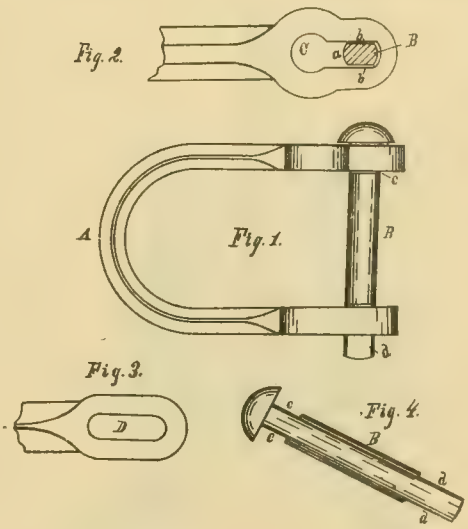
by his Attorneys

(No Model.)

M. C. CHURCH.

CLEVIS.

No. 245,448. Patented Aug. 9, 1881.



WITNESSES:

INVENTOR:

Morris C. Church

By Manahan & Howard

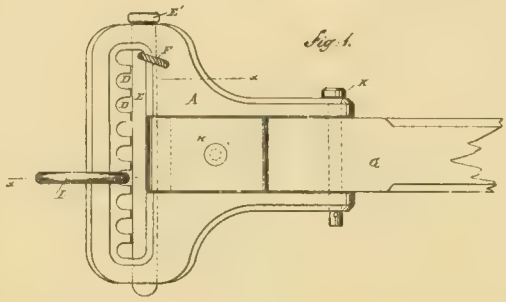
His Attys.

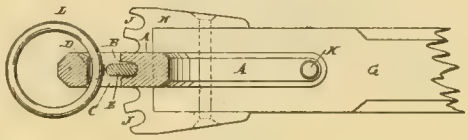
(Model.)

M. HUBBELL.

CLEVIS.

No. 249,941. Patented Nov. 22, 1881.





WITNESSES:

Chas. Nash
C. Sedgwick

INVENTOR:

M. Hubbell

BY Munn & Co.

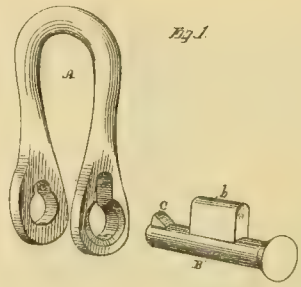
ATTORNEYS.

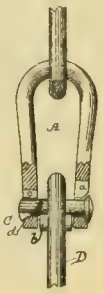
(No Model.)

J. T. ROGERS.

SHACKLE.

No. 251,464. Patented Dec. 27, 1881.





Witnesses

Geo. B. Strong.
Frank A. Brooks

Inventor

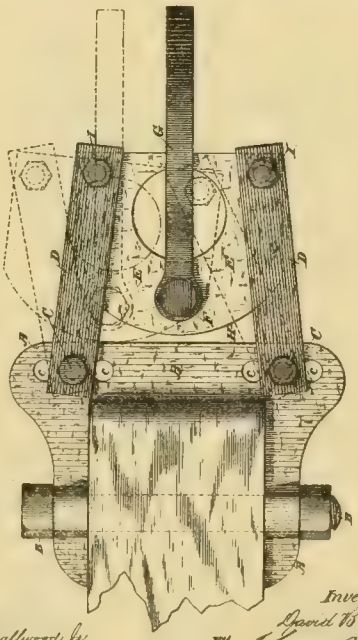
James T. Rogers
By Dewey & Co.
Attys

(Model.) 2 Sheets—Sheet 1.

D. B. TANGER.

PLOW GOVERNOR.

No. 254,406. Patented Feb. 28, 1882.



Attest

Geo. T. Smallwood Jr.
E. J. Taylor

Inventor

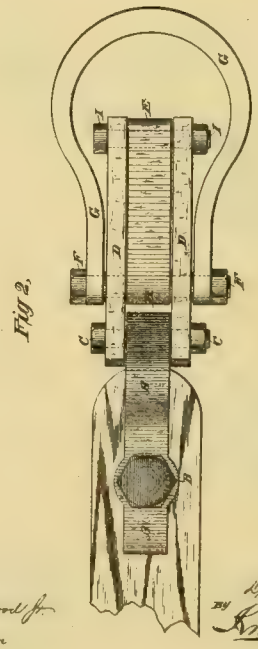
David B. Tanger
By Knight Bros
Attys

(Model.) 2 Sheets—Sheet 2.

D. B. TANGER.

PLOW GOVERNOR.

No. 254,406. Patented Feb. 28, 1882.



Attest

Geo. T. Smallwood Jr.
E. J. Taylor

Inventor

David B. Tanger
By Knight Bros
Attys

(No Model.)

M. A. CULVER.

PLOW AND DRAG ATTACHMENT.

No. 263,768. Patented Sept. 5, 1882.

Fig 1

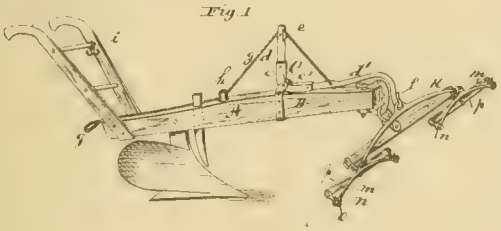
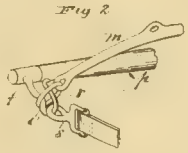


Fig 2.



Witnesses
E. P. Stoesting
Jno. A. Deutel

Moses A. Culver
Inventor
By [illegible]
Atty.

(No Model.)

C. F. DULING.

CLEVIS.

No. 268,785. Patented Dec. 12, 1882.

Fig. 1.

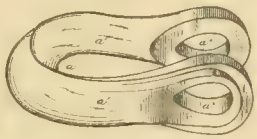


Fig. 4. Fig 3 Fig. 5

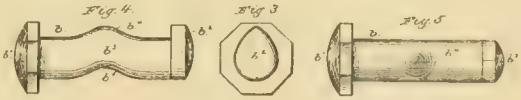
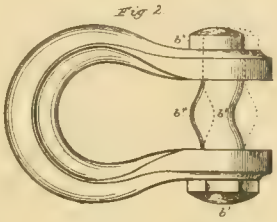


Fig 2.



WITNESSES
J. E. Clark
P. B. Mulvin

INVENTOR
Charles F. Duling
By R. S. & A. F. Lacey
Attorneys

	Plate	Claim
Adams, S. J.	153	91
Adams, C. and S. J.	153	91
Addams, A.	158	94
Aldrich, A.	151	90
Aldrich, A.	154	91
Allen, D.	137	84
Allen, E.	257	93
Almy, D.	115	75
Armstrong, J. and G.	135	83
Aughe, J.	118	76
Augspurger, J.	147	88
Bagwell, P. A.	154	92
Baker, J. W.	129	80
Beal, F. R. and Clark, S.	145	87
Beals, J. S.	113	74
Beals, J. S.	116	75
Beckwith, P. D.	117	76
Bement, A. O.	151	90
Bertrand, T. F. and Sames, P.	115	74
Bolick, W. A., J. D. and Fawcett, J. T.	150	89
Bowsher, N. P.	155	92
Bradley, B. C.	161	96
Bristol, L. C.	132	81
Burlingame, A. H.	149	89
Burlingame, A. H.	155	92
Butler, M.	133	82
Capehart, T.	166	99
Casebeer, S.	114	74
Chapman, L.	158	94
Chubb, E. A.	123	78
Chubb, A. L.	158	93
Clayton, J.	152	90
Clayton, J.	159	94
Clore, W.	142	86
Collett, W. H.	141	85
Cornoyer, O. J.	165	98
Curkendall, G.	124	79
Currier, H. A.	161	95
Custer, J. and Rowland, C.	113	74
Davis, A. M.	137	84
Deane, G. S.	119	77
Delano, H.	111	73
Densmore, J.	143	86
Dillenback, D.	127	80
Dodge, G.	116	75
Dodge, J.	131	81
Dodge, G.	153	91
Eastwood, I.	126	80
Eaton, E. C.	167	99
Emerson, R.	134	82
Farber, M. W.	163	97
Farmer, A. H.	144	87
Ferguson, S. T.	139	84
" " " (R.)	139	84
Furst, C.	124	78
Gabel, A. C.	140	85
Gale, H.	125	79
" " (R.)	126	79
Gale, H.	135	82
" " (R.)	135	83
Galentine, H.	130	80
Gaunt, F	154	92
Genzly, J.	142	85
Gibbs, L.	132	81
" " (R.)	132	81
Gibbs, M. L.	151	90
Gibson, D. D.	159	80
Graves, R.	156	93
Gross, J. G.	157	93
Hague, C. A.	162	96
Hague, C. A.	162	96
Hall, T. J.	112	73
" " " (R.)	112	73
Hall, J. H.	118	76
Hartman, C. R.	161	95
Hathaway, S.	148	89
Heckendorn, J.	140	85
Higgins, R. S.	119	77
Hovis, J. T.	129	80
Hoxie, H. S.	119	77
Hoxie, H. S.	129	80
Huber, S.	158	94
Hughes, D. W.	123	78
Hughes, D. W.	140	85
Hughes, D. W.	163	97
Hunt, F. B.	164	97
Hunting, C. B.	114	74
Huntsman, H.	166	98
Jarrell, E.	148	88
Jenkins, C. S.	162	96
Johnston, J. S.	124	79
Johnston, J. S.	138	84
Jones, D.	136	83
Keith, H. M.	126	79
Keith, H. M.	127	80
Keith, H. M.	130	81
Kellogg, A. A.	164	97
Kersh, A. J.	164	97
Kettenring, P.	165	98
Kloss, R.	167	99
Knoblock, J. C. and Bissell, T. M.	146	87
Lane, J.	121	78
Lane, M. W.	132	81
Lane, J.	151	90
Lane, J.	157	93
Lane, Joseph,	157	93
Lawrence, W. S.	137	83
Lawrence, W. S.	138	84
Lawrence, W. S.	141	85
Lawrence, W. S.	145	87
Leonard, J. M.	127	80
Leonard, J. M.	128	80
Lewis, J. W.	122	78
Long, J.	112	73
Loomis, G. D.	152	90
Lovell, S M.	141	85
Lyon, G. C.	138	84
McGregor, W.	149	89
Manny, A. J.	159	94
Manny, A. J.	166	98
Manwaring, K. W.	139	84
Manwaring, K. W.	155	93
Manwaring, K. W.	159	94
Manwaring, K. W.	160	95
Marable, T. E.	119	77
Masters, B. F.	122	78
Matteson, D. C. and Williamson, T. P.	136	83
Matthews, E. G.	121	78
Matthews, E. G.	125	79
Meikle, T.	150	89
Mellon, W. H.	145	87
Miller, L. and Lighthall, H.	160	95
Mitchell, R. B.	149	89
Moore, G.	142	85
Morris, D. and Speirs, H.	167	99
Muir, A.	139	84
Nash, C.	133	82
Newton, R.	123	78
Nichols, J. R.	134	82
Noble, H. T.	153	91
Nott, G. G.	160	95
Oldendorph, H. and J.	156	93
Oliver, J.	142	86
Oxenford, J.	148	88
Pates, T.	152	90
Perfater, G. S.	120	77
Pfeil, J. C.	118	76
" " " (R.)	118	76
Pierpont, J.	146	88
Pinkham, J.	128	80
Pinkham, J.	131	81
Pitcher, L. B.	117	76
Pitcher, R. L. and Elwood, R.	120	77
Porter, J. F. F.	145	87
Potter, M.	134	82
Pykiet, G. F.	127	80
Reynolds, E. D. and O. B.	163	96
Rice, E. S.	117	76
Richards, M.	124	79
Rick, F.	143	86
Robinson, J. G.	121	78
Ross, A. M.	163	96
Rowell, G. D.	122	78
Runyon, J. and Ingersoll, G.	122	78
Runyon, J.	133	82
St. John, G. B.	161	95
Sanders, E. A.	146	87
Sater, H. H.	164	97
Sattley, M.	120	77
Schram, A. C.	160	95
Sheenan, T.	125	79
Shemwell, O. M.	136	83
Sherman, J. H.	116	75
Skinner, J. B.	114	74
Skinner, J. B.	115	75
Skinner, J. B.	116	75
Skinner, H. M.	126	79
Skinner, H. M.	133	82
Slocum, M. D.	149	89
Smith, F. C.	111	73
Smith, F. F.	120	77
Smith, J. M.	125	79
Smith, J. M.	130	81
Smith, G. K.	143	86
Spicer, A J.	128	80
Spink, M. A.	113	73
Spink, M. A.	165	98
Steller, C. E.	121	78
Steller, C. E.	147	88
Stillman, W. W.	113	74
" " " (R.)	114	74
Thomas, C. H.	134	82
Thompson, C. R.	143	86
Thomson, G. and J.	140	85
Thomson, R. B.	146	87
Trump, G.	130	81
Tuttle, B. W.	131	81
Tuttle, B. W.	131	81
Twigg, C. W.	152	90
Underwood, F. J.	123	78
Vincent, C. C.	166	99
Wansbrough, E. and Speer, W. W.	147	88
" " " " " (R.)	147	88
Wansbrough, E. and Speer, W. W.	159	94
Way, S.	128	80
Webber, A. P.	137	83
Webster, J. B. and Baxter, R.	117	76
Webster, T. L.	136	83
Welling, W. J.	150	89
Whitbeck, G. V. H.	144	87
Whiteman, E. B.	155	92
Whittlesy, A. and A. K.	111	73
Wiard, E.	135	82
Wiard, T.	141	85
Wilder, W. H.	150	90
Willard, W. H.	112	73
Wisner, H. E.	156	93
Wood, J. W.	144	86
Woodcock, B. (A. I.)	111	73
Young, I.	115	75
Young, W. B.	165	98
Zeller, J. P.	138	84

E. Woodcock,

Plow.

No. 13 (A1) Patented Sept. 20. 1838.

H. Delano,

Plow Coulter.

No. 2529 Patented Apr. 1. 1846.

F. C. Smith,

Plow Coulter.

No. 5526. Patented Apr. 25. 1848.

Fig. 1.

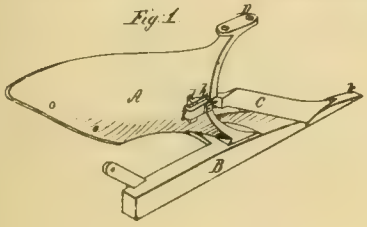


Fig. 2.

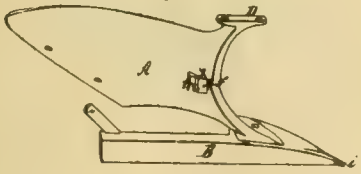


Fig. 3.

A. & A. K. Whitlesey.

Fastening Coulters to Plows.

No. 7,736. Patented Oct. 22, 1850.

Fig. 1

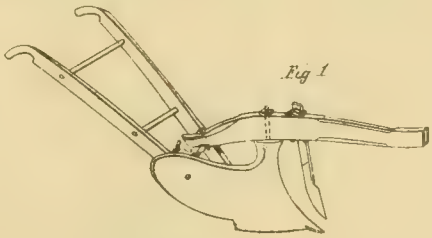


Fig. 3.

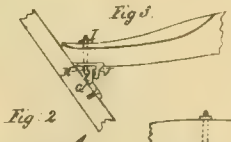


Fig. 2

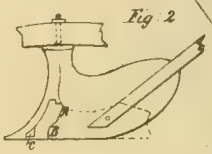
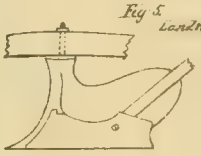


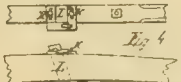
Fig. 5. Landside



Inside of Mouldboard

Plan of Mouldboard

Fig. 4

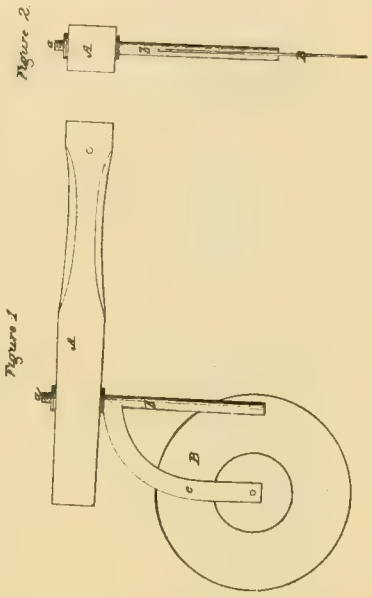


Side view of Fig. 6.

T. J. Hall,

Plow Coulter.

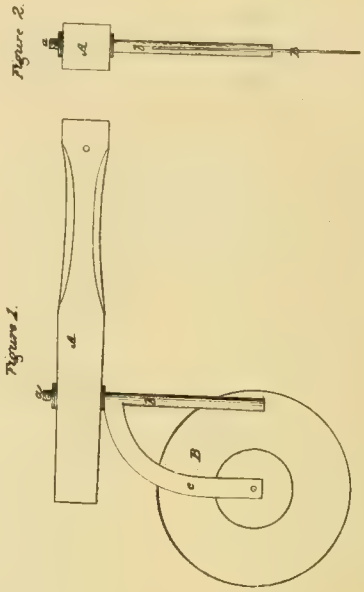
No. 12,627. Patented Apr. 3. 1855.



T. J. Hall,

Plow Coulter.

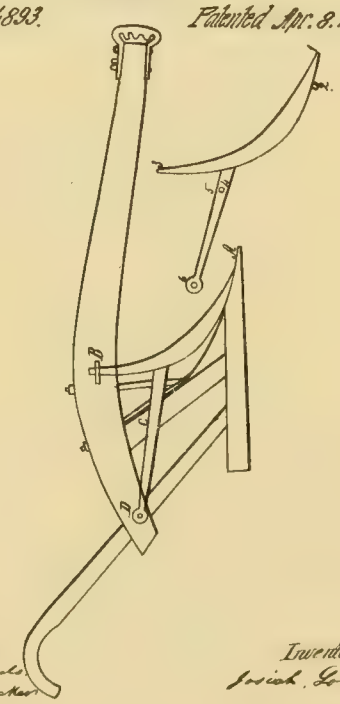
No. 37,82. Reissued Dec. 28. 1869.



J. Long,

Plow Coulter.

No. 34,893. Patented Apr. 8. 1862.



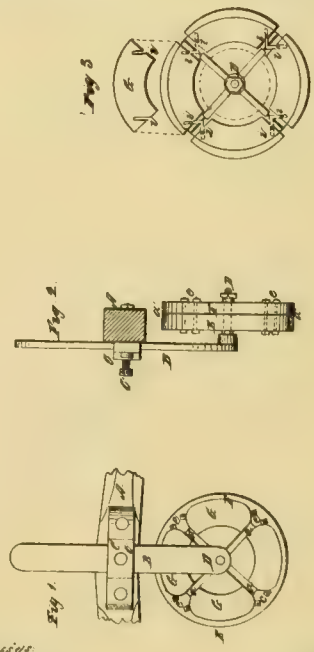
Witnesses,
J. H. Lemon Jr.
D. M. Overbacker

Inventor,
Josiah Long

W. H. Willard,

Plow Coulter.

No. 37,065. Patented Dec. 2. 1862.



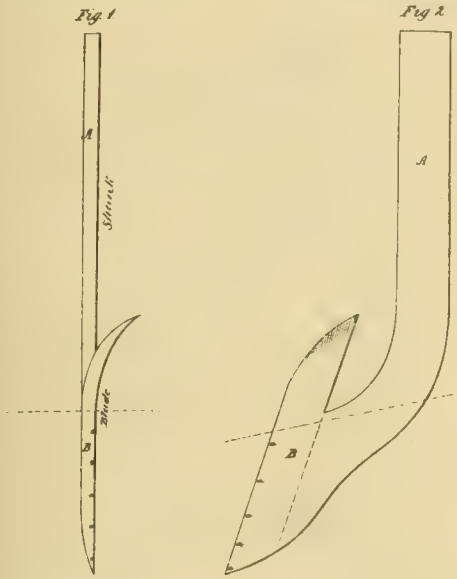
Witnesses.
H. Brundge
Brainerd

Inventor
W. H. Willard

M. A. Spink.

Plow-Coulter.

No. 48,849. Patented Jul. 18, 1865.



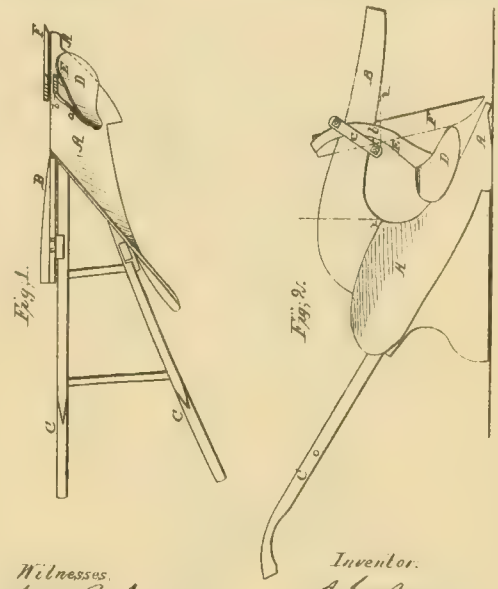
Witnesses:
D. M. Houghton
W. A. Maguire

Inventor:
Morris A. Spink

J. S. Beals.

Plow Coulter.

No. 53,773. Patented Apr. 10, 1866.



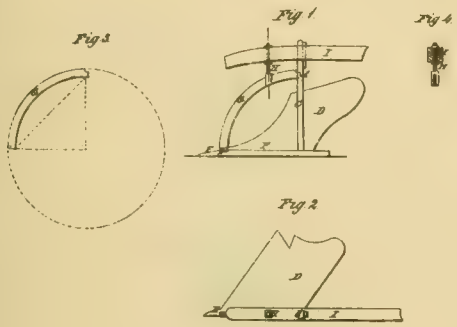
Witnesses.
J. M. B. Houghton
Jas. A. Devine

Inventor.
J. S. Beals
Per Munn & Co
Attys

Custer & Rowland.

Plow Coulter.

No. 55,476. Patented Jan. 12, 1866.



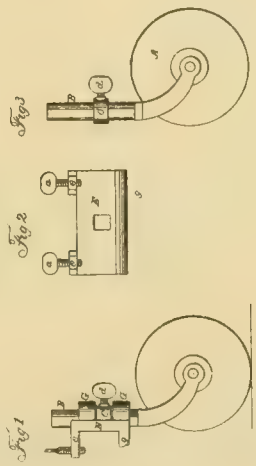
Witnesses:
Wm. Ehrgott
J. M. B. Houghton

Inventors:
Jacob Custer
Chas. Rowland
Munn & Co
Attys

W. W. STILLMAN.

Plow-Colter.

No. 57,007. Patented Aug. 7, 1866.



Witnesses
C. Alexander
John. P. Jacobs

Inventor:
Wm. W. Stillman
Per Alexander & Mason
Attys

Wm. W. STILLMAN,

Assignor to

Ralph Emerson, Plow-Coulter.

No. 4,597. Reissued Oct. 17, 1871.

Fig. 1

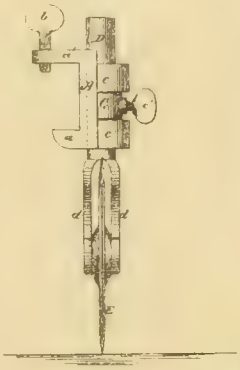


Fig. 2

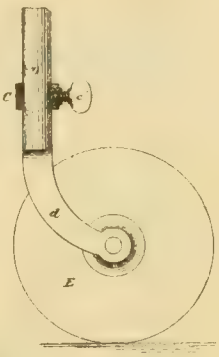
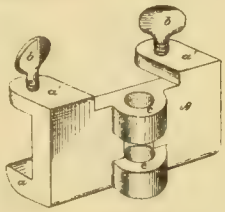


Fig. 3



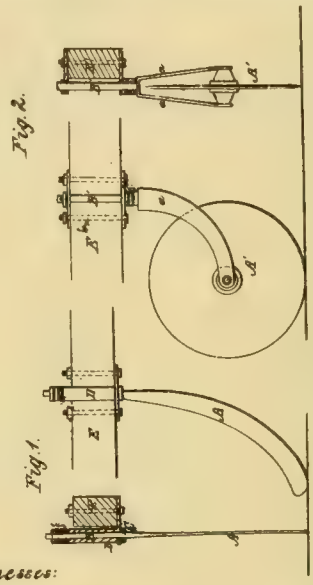
Witnesses:-
W. H. Rews.
Jas. S. Payton.

Inventor:-
Wm. W. Stillman
by his Atty
Wm. D. Baldwin

J. B. Skinner

Plow Coulter

No. 67,200. Patented Aug. 14, 1866.



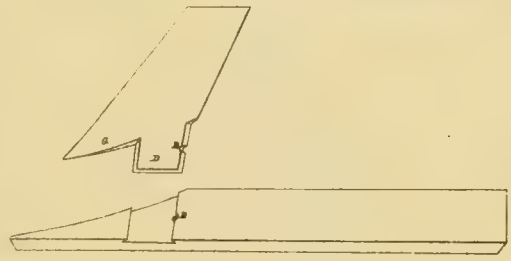
Witnesses:
J. T. Poyton
Theodore Lang

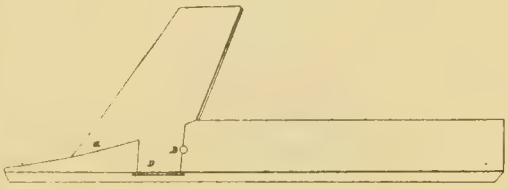
Inventor:
J. B. Skinner
per Baldwin & Son
Attys

S. Casebeer.

Plow Coulter.

No. 57,286. Patented Aug. 21, 1866.





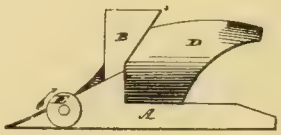
Witnesses.
Geo. Easton

Inventor
Samuel Casebeer

C. B. HUNTING.

Plow-Colter.

No. 57,909. Patented Sept. 11. 1866.



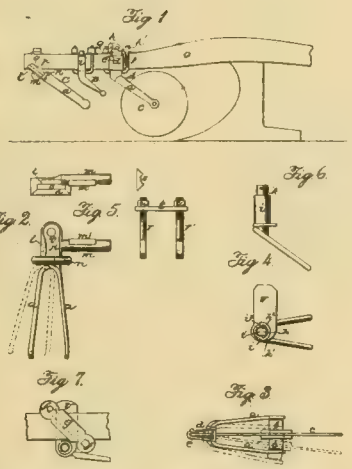
Witnesses
W. W. Livingston
Geo. Finch

Inventor
C. B. Hunting
Per Munn & Co
Attorneys

BERTRAND & SAMES.

Plow-Colter.

No. 61,508. Patented Jan. 29, 1867.



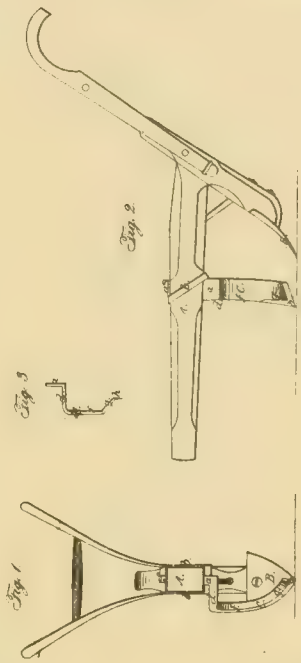
Witnesses:
J. J. Porter
Alexander Lang

Inventors
T. T. Bertrand by their Atty
& Wm Sames } Baldwin & Son

I. YOUNG.

Shovel Plow.

No. 61,980. Patented Feb. 12, 1867.



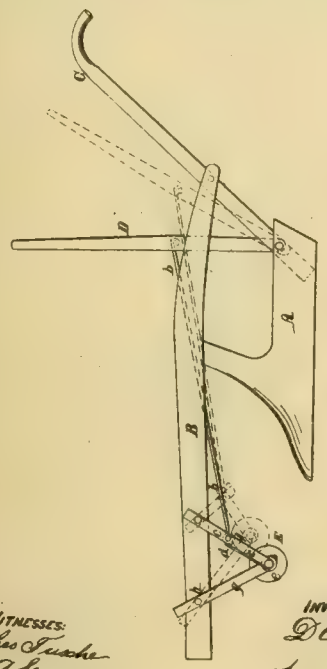
Witnesses:
Thos T. Parker
Wm F. Browne

Inventor.
Isaac Young
by his atty
J. S. Brown

D. ALMY.

Plow-Coulter.

No. 64,619. Patented May 14. 1867



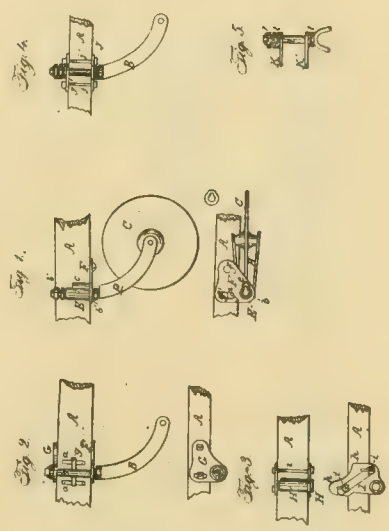
WITNESSES:
Thos Tusche
J A Service

INVENTOR:
D Almy
per Munn & Co
attorney

J. B. SKINNER.

Plow-Colter.

No. 66,259. Patented July 2, 1867.



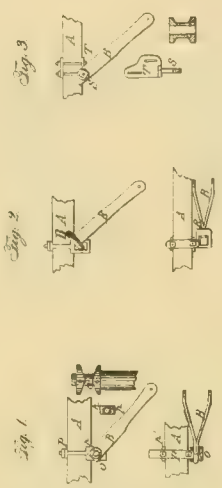
Witnesses.
Baltz Elberg
J W Webster

Inventor.
J B Skinner
by his Attys
Baldwin & Son

J. B. SKINNER.

Plow-Colter.

No. 66,260. Patented July 2, 1867.



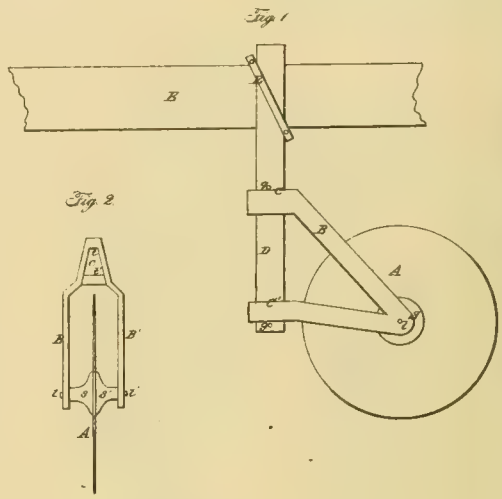
Witnesses:
Batte DeLong
J. W. Webster

Inventor:
J. B. Skinner
by his Attys
Baldwin & Son

J. H. SHERMAN.

Plow-Colter.

No. 67,222. Patented July 30, 1867.



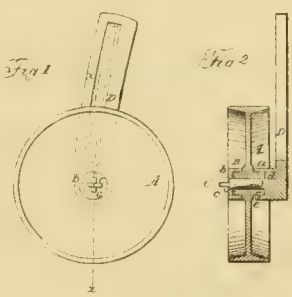
Witnesses:
J. W. Standish
R. A. Standish

Inventor:
J. H. Sherman

G. DODGE.

Plow-Colter.

No 67,513 Patented Aug. 6, 1867.



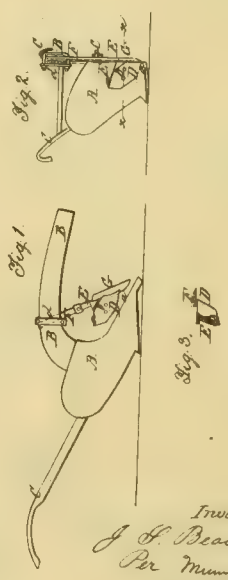
WITNESSES
J. A. Service
Wm Trewin

INVENTOR:
Geo. Dodge
Per Munn & Co
Attorneys

J. S. BEALS.

Plow-Colter.

No 68,152. Patented Aug. 27, 1867



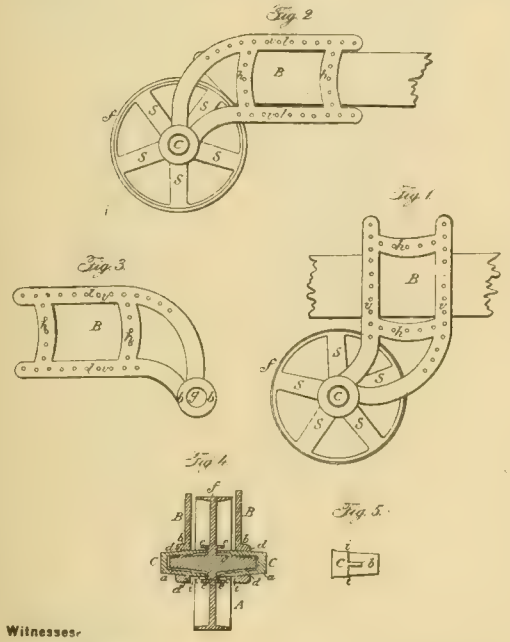
Witnesses.
Thos Tinsale
J. A. Service

Inventor:
J. S. Beals
Per Munn & Co
Attorneys

L. B. PITCHER.

Plow-Colter.

No. 71,057. Patented Nov. 19, 1867.



Witnesses.

N. B. Smith

C. W. Smith

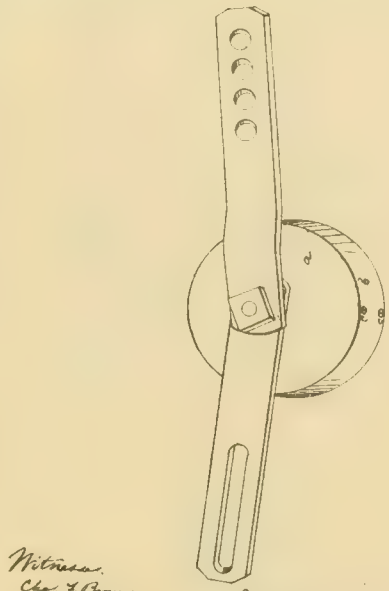
Inventor.

Lemuel B. Pitcher

Webster & Baxter.

Plow Wheel.

No. 71827 Patented Dec. 3, 1867.



Witnesses.

Chas. T. Brown.

W. E. Triumph.

Webster & Baxter

Inventors by

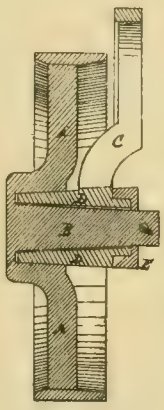
Brown & Beadle

Attorneys

P. D. Beckwith.

Plow-Gauge Wheel.

No. 73564 Patented Jan. 21, 1868.



Witnesses.

W. H. Harrison

A. A. Chatman

Inventor.

P. D. Beckwith

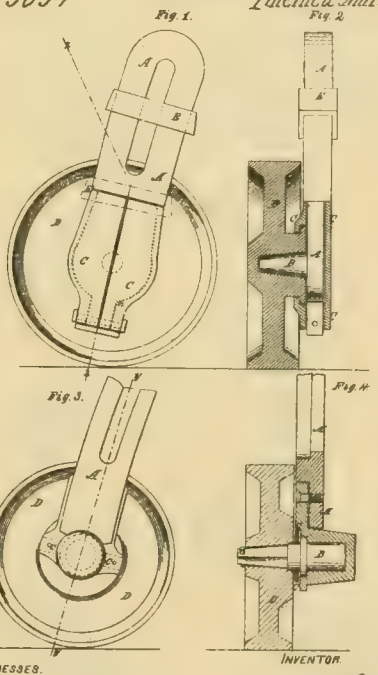
per

Wm. A. Harrison

E. S. Rice

Plow Wheel

No. 75054 Patented March 3, 1868



WITNESSES.

W. G. Dellstatter

J. A. Fraser

INVENTOR.

E. S. Rice

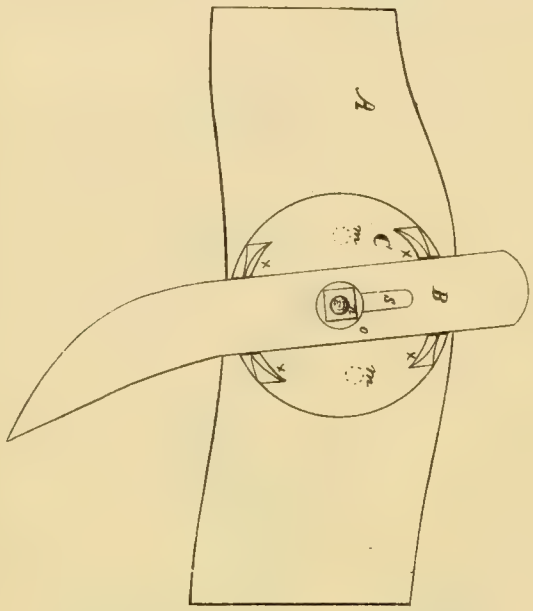
per Munn & Co

Attorneys

J. Aughe.

Coulter-Holder.

No. 75287 Patented Mar. 10, 1868.



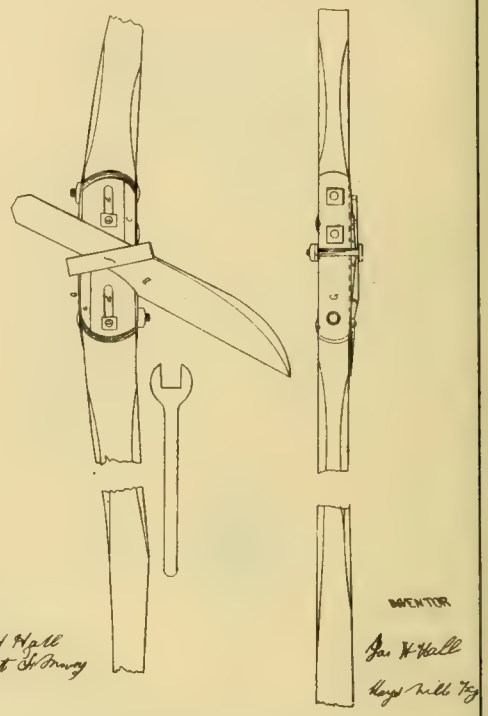
Witnesses.
Alex Aughe
Horace Aughe

Inventor
Jefferson Aughe

J. H. Hall.

Attaching Coulters to Plow-Beams.

No. 75414 Patented Mar. 10, 1868



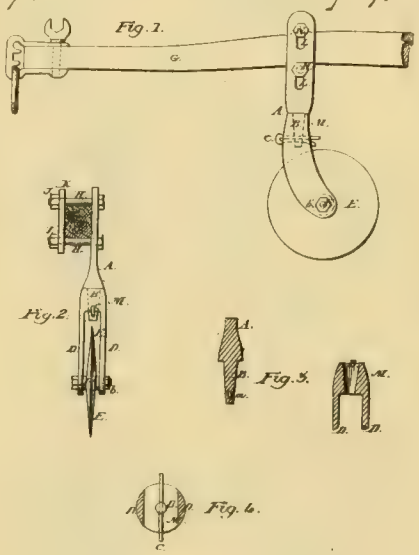
WITNESSES
Jas. H. Hall
Robt. H. Murray

INVENTOR
Jas. H. Hall
Geo. Hill Atty

J. C. Pfeil.

Plow Coulter,

No. 76,343. Patented Apr. 7, 1868.

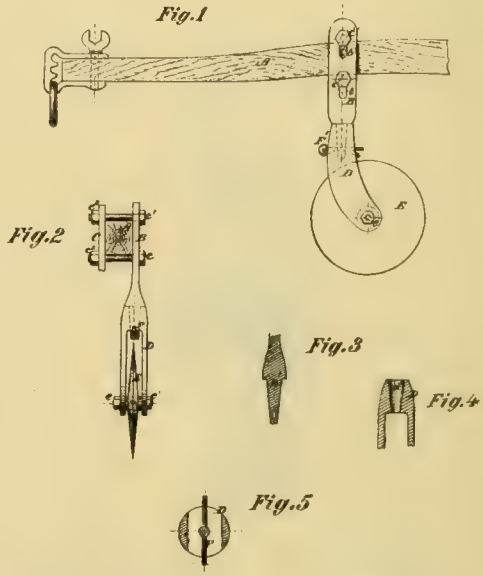


WITNESSES:
Rich. K. Allen
J. H. Webster

INVENTOR:
John C. Pfeil
by Joseph Rich
Attorney

John C. Pfeil, Rotary Plow Colter.

No. 4,533. Reissued Aug. 29, 1871.



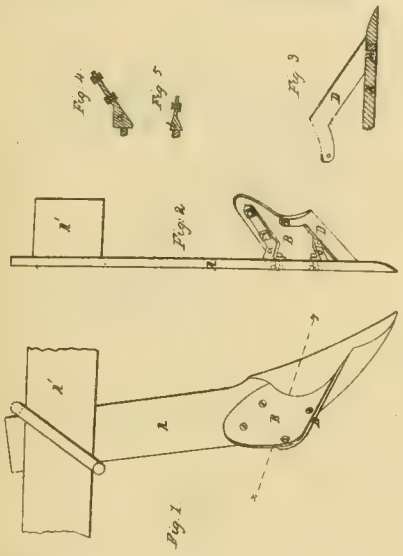
Witnesses:-
Chas. Howe
Jno. W. Peyton

Inventor:-
John C. Pfeil
by his Atty
Wm. H. Benning

H. S. Hoxie.

Plow Coulter.

No. 77,616. Patented May 5, 1868.



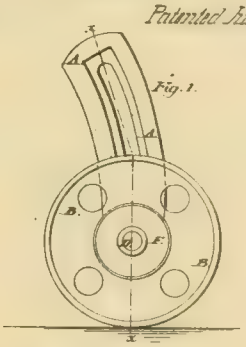
Witnesses:
Austin F. Kasson
James Clark

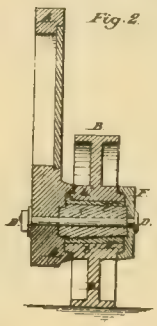
Inventor:
Hosea S. Hoxie

G. S. Deane.

Plow Coulter.

No. 78,934. Patented Jun. 16, 1868.





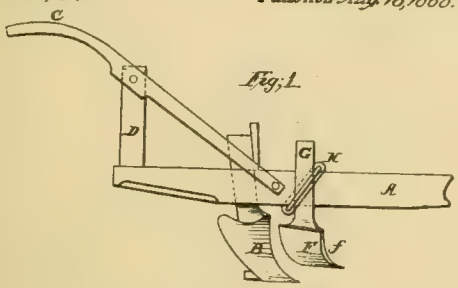
WITNESSES:
H. C. Ashkettler
Wm. A. Morgan.

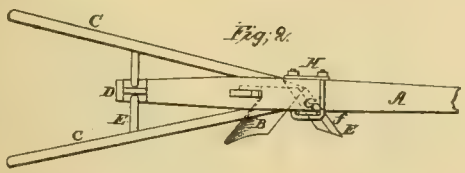
INVENTOR:
G. S. Deane
by Munn & Co.
Attorneys

T. E. Marable.

Plow Coulter.

No. 81,187. Patented Aug. 18, 1868.





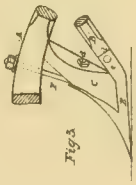
Witnesses;
Robert A. Potts
A. T. Brennan

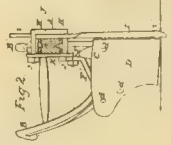
Inventor;
T. E. Marable
by Munn & Co
Attorneys

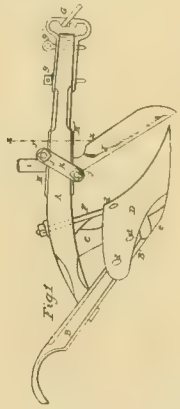
R. S. Higgins.

Plow Coulter.

No. 83,061. Patented Oct. 13, 1868.







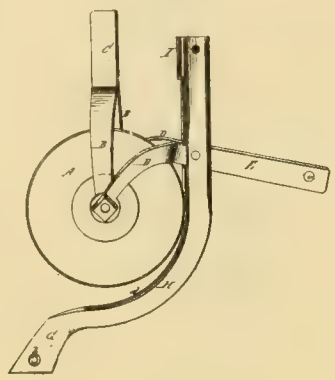
Witnesses
Wm. H. Brewster
John Newman

Inventor
R. S. Higgins
By Munn & Co.
Attorneys

G. S. Perpeter,

Plow Coulter.

No. 84,374. Patented Nov. 24, 1868.



Witnesses.
Jno. A. Morgan
E. L. Cotton

Inventor:
G. S. Perpeter
per Munn & Co.
Attorneys

M. SATTLEY.

Revolving Plow-Colter.

No. 84,380. Patented Nov. 24, 1868.

Fig. 1.

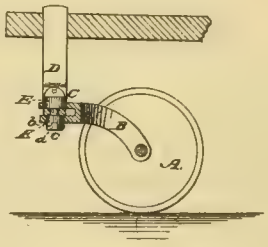


Fig. 2.

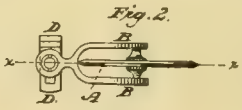


Fig. 3.

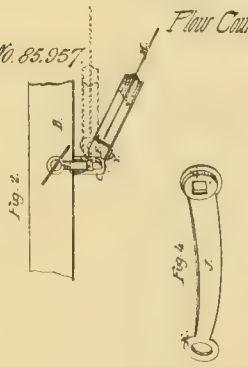
Witnesses:
J. McFarren
G. A. Pettit

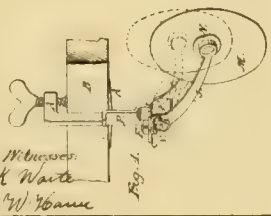
Witnesses:
M. Sattley
Munn & Co.
attys

Pitcher & Ellwood,

Plow Coulter.

No. 85,957. Patented Jan. 19, 1869.





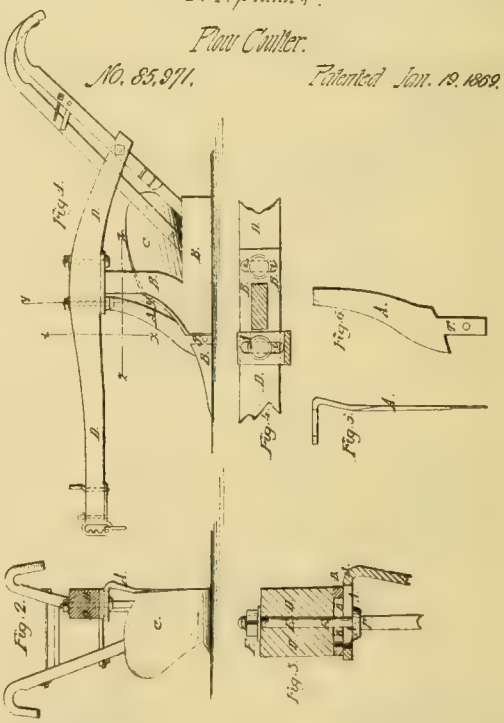
Witnesses:
J. K. Waite
C. W. Hanie

Inventor:
N. D. Pitcher
N. Ellwood
by G. K. Chapin
Atty.

F. F. Smith,

Plow Coulter.

No. 85,971. Patented Jan. 19, 1869.



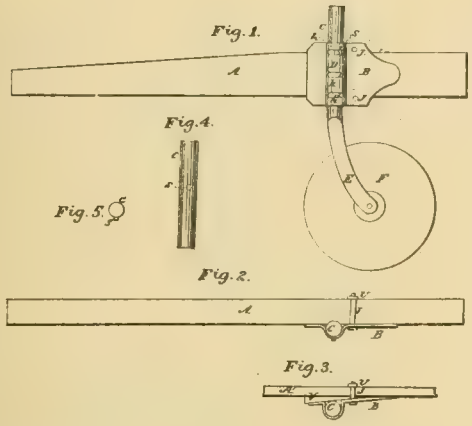
Witnesses:
Albert L. Stuart
Edward H. Ellis

Inventor:
F. F. Smith

C. E. STELLER.

Plow Colter.

No. 87,220. Patented Feb. 23, 1869.



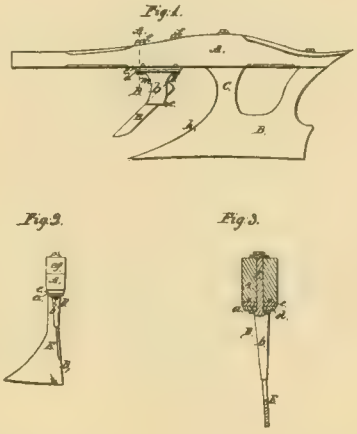
Witnesses:
G. L. Chapin
A. Hayward

Inventor:
C. E. Steller

E. G. Matthews,

Plow.

No. 87,420. Patented Mar. 2, 1869.



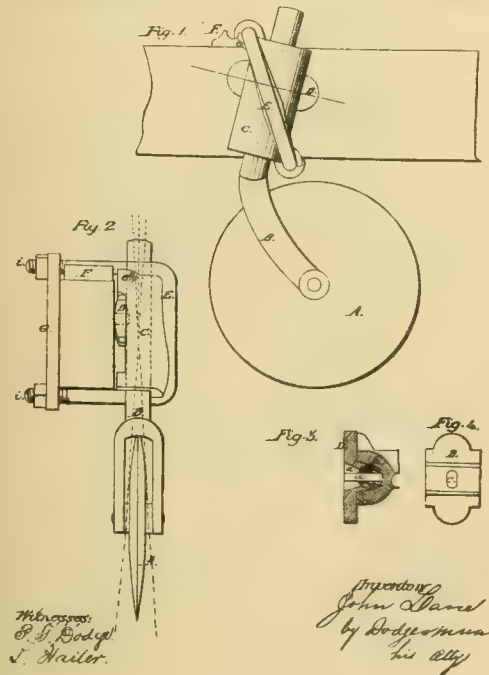
Witnesses
Thos. G. Dodge
Geo. H. Miller

Inventor
E. G. Matthews.

J. Lane.

Plow Coulter.

No. 88,309. Patented Mar. 30, 1869.



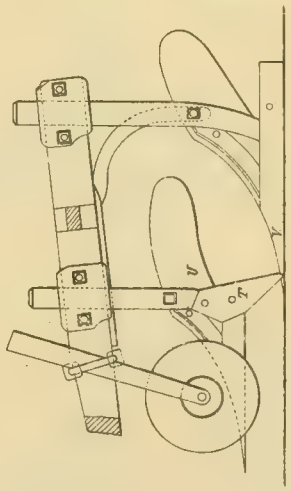
Witnesses:
E. G. Dodge
J. Hailer.

Inventor
John Lane
by Dodge & Mann
his atty

J. G. Robinson,

Plow.

No. 88,414. Patented Mar. 30, 1869.



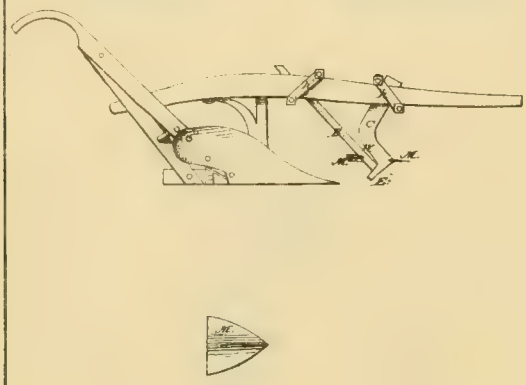
Witnesses.
Geo. O'Mara
John H. Cheney

Inventor.
John G. Robinson

B. F. Masters,

Plow.

No. 88,194. Patented Apr. 13. 1869.



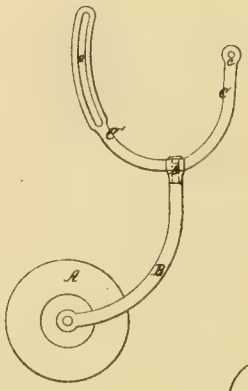
Witnesses:
G. Hofmeister

Inventor,
B. F. Masters
by T. C. Theaker
attorney

J. W. Lewis.

Roller Cutter for Plows.

No. 91,044. Patented Jun. 22, 1869.



Witnesses
W. Coombs
Fred. Hayney.

Inventor
J. W. Lewis
per Brumbaugh & Co
Atty.

C. H. Rowell.

Flow Coulter.

No. 93,011. Patented July 27. 1869.

FIG. 1

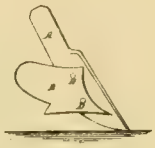


FIG. 2

FIG. 3

WITNESS
A. M. Hanson
John L. Hanch

INVENTOR
C. H. Rowell
by his Atty.
[illegible]

Runyon & Ingersoll.

Coulter.

No. 93,558. Patented Aug. 10. 1869.

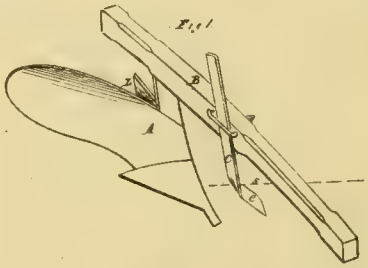


Fig. 1

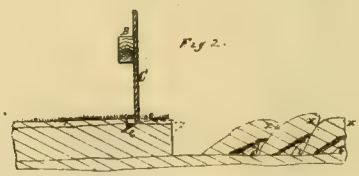


Fig. 2.

Witnesses
[illegible]
Chas. P. Rowe

Inventors
John Runyon
George Ingersoll

R. Newton.

Rolling-Cutter for Plows.

No. 93,636. Patented Aug. 10, 1869.

Fig. 1

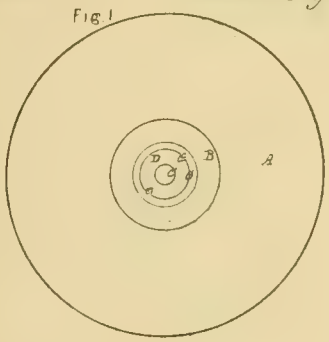


Fig. 2.

Witnesses
Fred Thomas
C. A. Clarkson

Inventor
Robert Newton by
H. W. Beadle atty

D. W. Hughes.

Attach'g Plow-Coulters.

No. 93,888. Patented Aug. 17, 1869.

Fig. 1

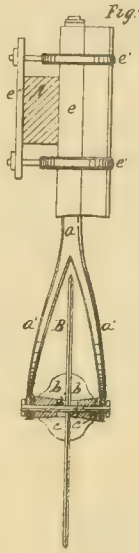


Fig. 3

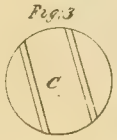


Fig. 2.

Witnesses
E. O. Brown
W. B. Phillips.

Inventor
D. W. Hughes
by Geo. E. Maxx Attorney

E. R. Chubb.

Plow Wheel.

No. 96,194. Patented Nov. 28, 1869.

Fig. 1

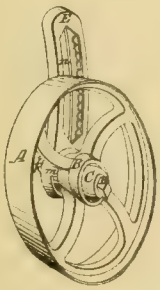


Fig. 2

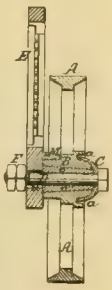


Fig. 3.

Witnesses
James Thierry
W. F. Ebert.

Inventor
E. A. Chubb
per Attorney
Thos. S. Sheppard

T. J. Underwood,

Flow Coulter.

No. 96,057. Patented Oct. 19, 1869.

Fig. 1.

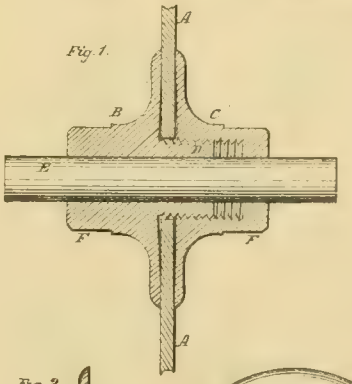


Fig. 2.

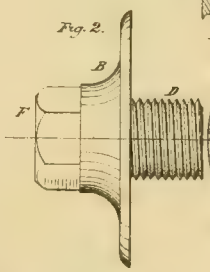
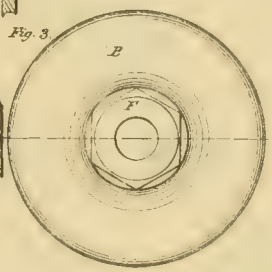


Fig. 3.



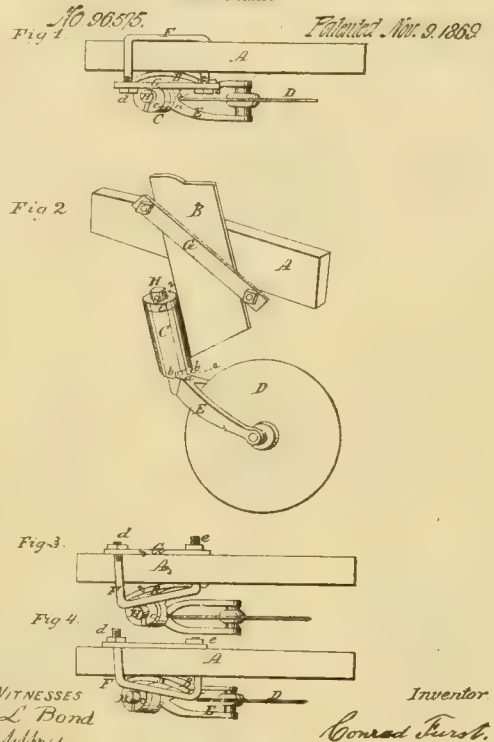
Witnesses.
L. Hailer
Phil. T. Dodsed

Inventor.
T. J. Underwood
by Dodge & Sherman
his Attorneys

C. Furst,

Plow Coulter.

No. 96575. Patented Nov. 9. 1869.



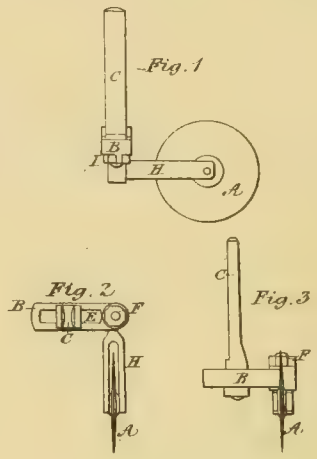
Witnesses
L. L. Bond
E. A. West

Inventor
Conrad Furst.

M. RICHARDS.

Plow Colter.

No. 101,509. Patented April 5, 1870.



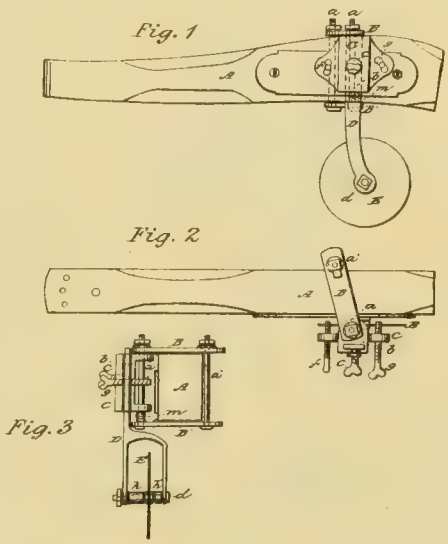
Witnesses:
Jas. A. Cowles
J. M. Atwood

Inventor:
Merritt Richards
by Jas. A. Cowles
Atty

J. S. JOHNSTON.

Plow Colter.

No. 101,739. Patented April 12, 1870.



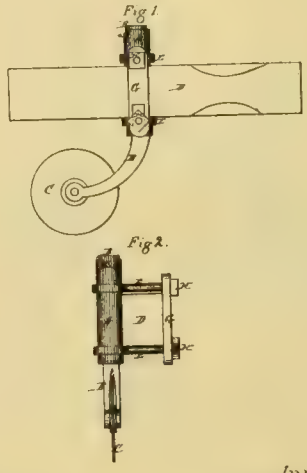
Witnesses:
W. H. Burrows
Geo. W. Miller

Inventor:
John S. Johnston

G. Cuntendall,

Plow Coulter.

No. 103,148. Patented May 17, 1870.



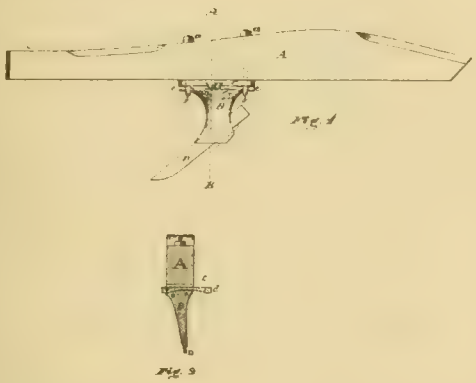
Witnesses
Henry A. Miller
John A. Ellis

Inventor
Geo. Cuntendall
Per
T. H. Alexander
Atty

F. A. Matthews,

Plow Coulter.

No. 102,915. Patented May 17, 1870.



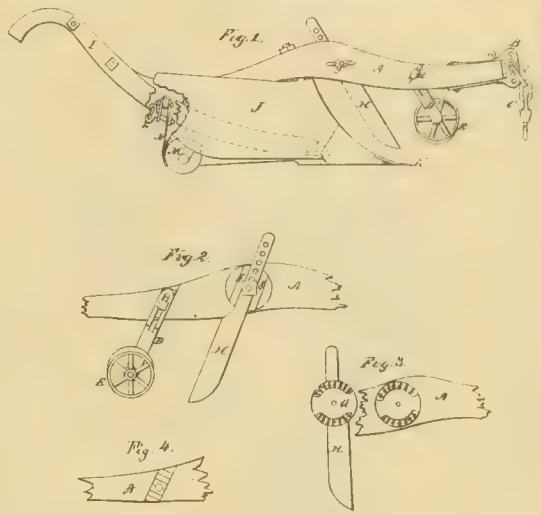
Witnesses

Inventor

T. SHEEHAN

Plow Colter.

No. 105,134. Patented July 5, 1870.



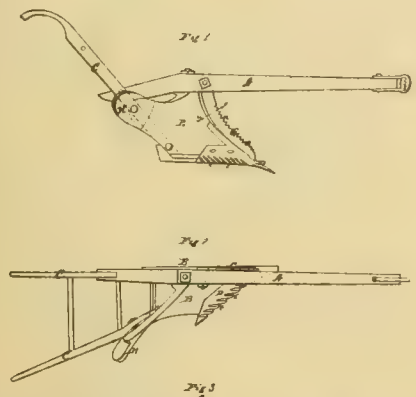
Witnesses

Inventor

J. M. Smith,

Plow Coulter.

No. 106,966. Patented Aug. 30, 1870.



Witnesses

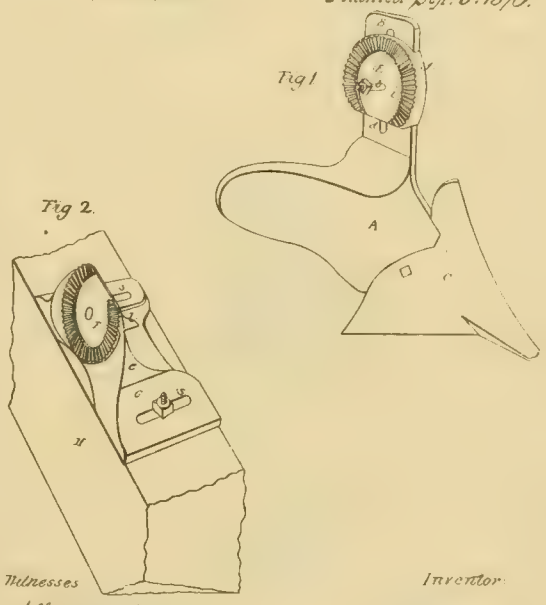
Inventor

Justin M. Smith

H. Gale,

Plow.

No. 107,033. Patented Sep. 6, 1870.



Witnesses

Albert Palch

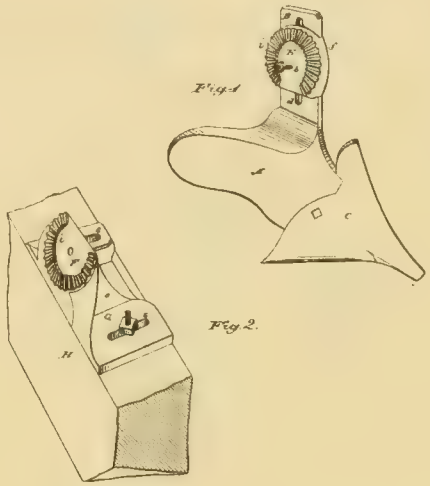
Otto L. Johnson

Inventor

Horatio Gale

H. GALE,
Assignor, by mesne assignments, to THE GALE MANUFACTURING CO.
Plow.

No. 8,082. Reissued Feb. 12, 1878.

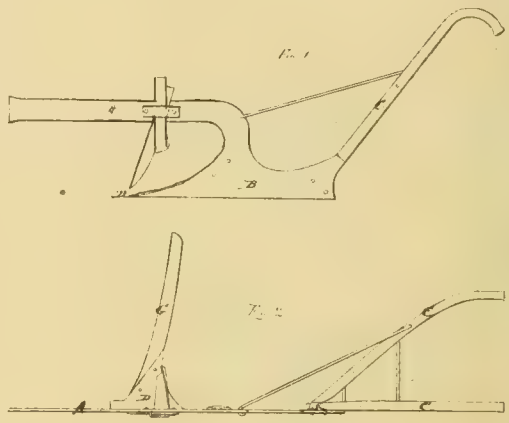


Witnesses:
R. T. Dyer
L. A. Seely

Inventor
Horatio Gale
by Geo. W. Dyer & Co.
Attys.

H M KEITH.
Plow Colter.

No. 107,063. Patented Sept. 6, 1870.

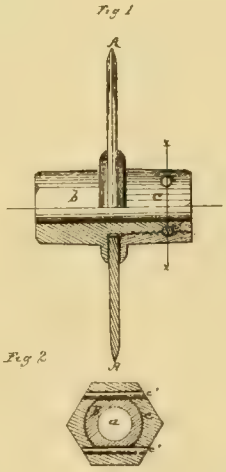


Witnesses:
Thos. Sparks
J. L. White

Inventor
H. M. Keith
Per
F. G. Allexander
Atty.

H. M. Skinner,
Plow Coulter.

No. 109,298. Patented Sept. 13, 1870.

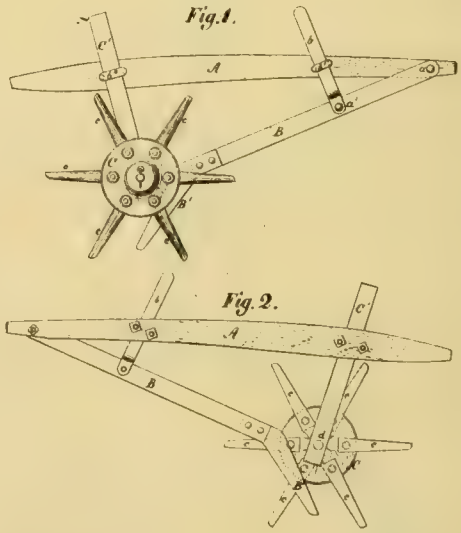


Witnesses:
H. J. Brett
S. J. Noyes

Inventor
H. M. Skinner by
H. M. Baldwin Atty

I. Eastwood,
Plow Coulter.

No. 108,263. Patented Oct. 11, 1870.



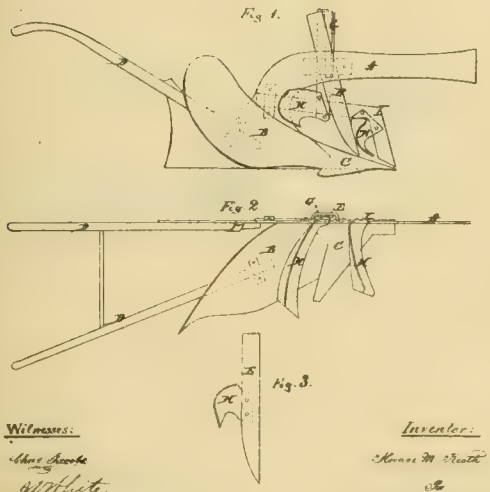
Witnesses:
John W. Tunnell
Henry A. Liggett

Inventor:
Isaac Eastwood
By Newton Crawford
his Attorney

H. M. Keith,

Plow Coulter.

No. 108,168. Patented Oct. 18 1870.



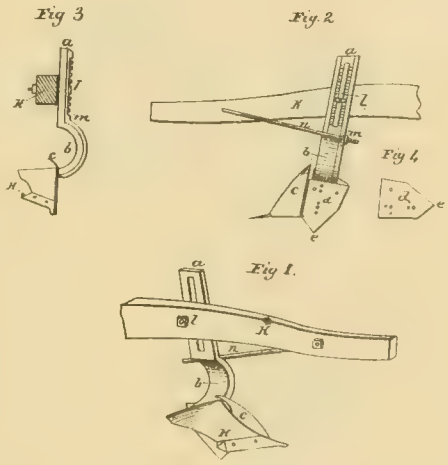
Witnesses:

Inventor:

D. DILLENBACK.

Plow Colter.

No. 108,771. Patented Nov. 1, 1870.



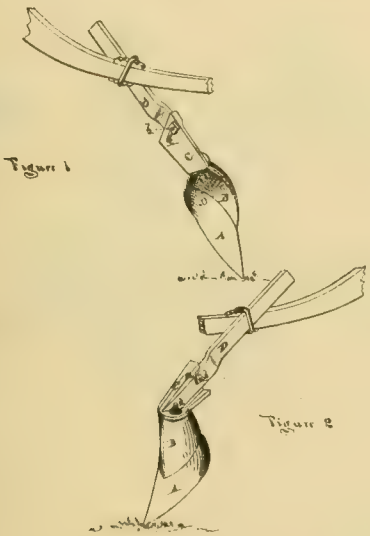
Witnesses

Inventor

J. M. Leonard,

Plow Coulter.

No. 110,351 Patented Dec. 20. 1870.



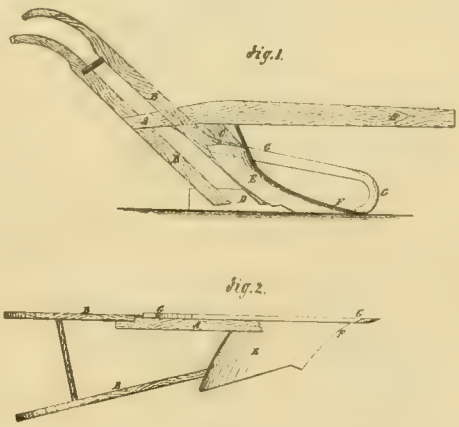
ATTEST

INVENTOR

G. F. Pyrkit,

Plow Coulter.

No. 110,283. Patented Dec. 20. 1870.



Witnesses:

Inventor:

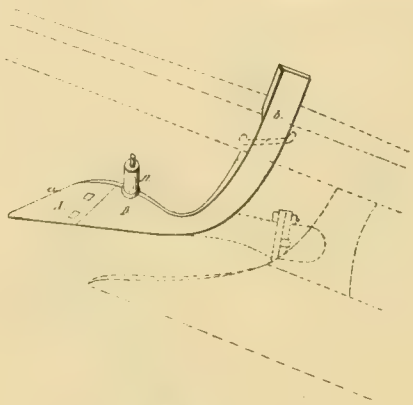
Per

Attorneys.

J. N. Leonard,

Plow.

No. 110,924. Patented Jan. 10, 1871.



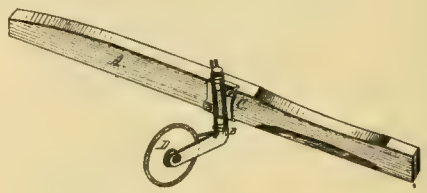
Witnesses
George A. Keiffe
E. A. Mayhew

Inventor:
John McLeonard.

S. Way,

Plow Coulter:

No 111,158. Patented Jan. 24, 1871.



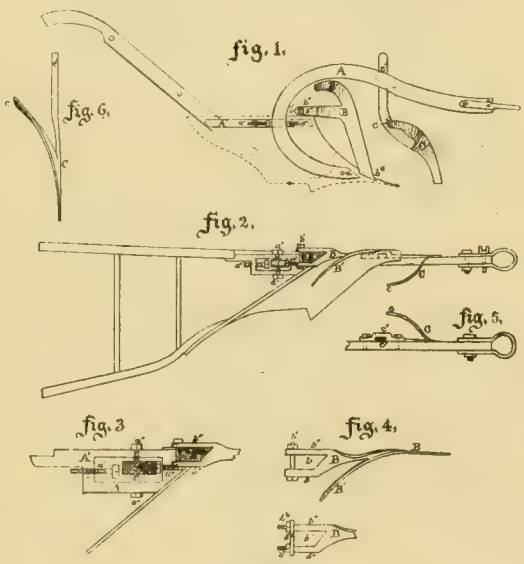
Attest
John McSmith
Wm Gafaway

Inventor:
S. Way
by his atty S. C. Rand

J. PINKHAM.

Plow Coulter.

No. 111,244. Patented Jan. 24, 1871.



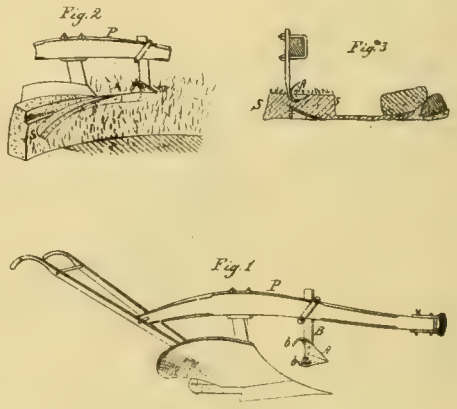
Witnesses
Thomas G. Connor
W. H. Singleton

Inventor
Joseph Pinkham

A. J. Spicer.

Prairie Plow Jointer.

No. 111,786. Patented Feb. 14, 1871.



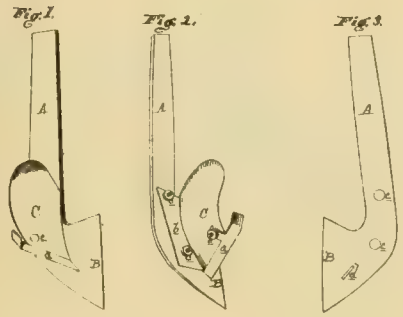
Witnesses
Frank Little
R. F. Judson

Inventor
Andrew J. Spicer

H. S. HOXIE.

Improvement in Plow-Colters.

No. 114,822. Patented May 16, 1871



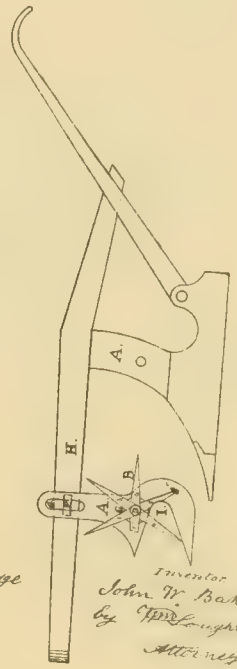
Attest
McKennet
Geo. Engel

Inventor
H. S. Hoxie
per Atty
Geo. S. Graves

JOHN W. BAKER.

Improvement in Root Cutters for Plows.

No. 115,013. Patented May 23, 1871.



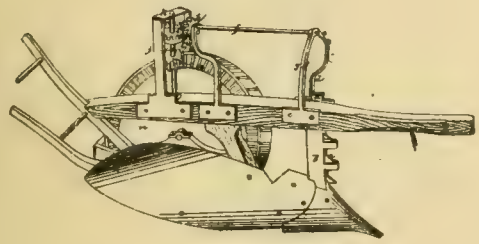
Witnesses,
Thos. Longridge
Benj. West

Inventor
John W. Baker
by Thos. Longridge
Attorney

John T. Hovis.

Plow-Attachment.

116446 PATENTED JUN 27 1871



Witnesses:
H. P. Arch
Geo. D. Dodge

Inventor:
John T. Hovis
per Neum & Co
Attorneys.

DAVID D. GIBSON.

Plow Colters.

No. 120,055. Patented Oct. 17, 1871.

Fig. 1.

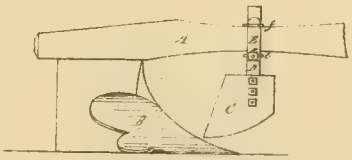
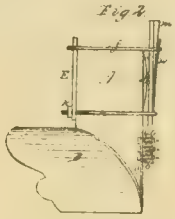


Fig. 2.



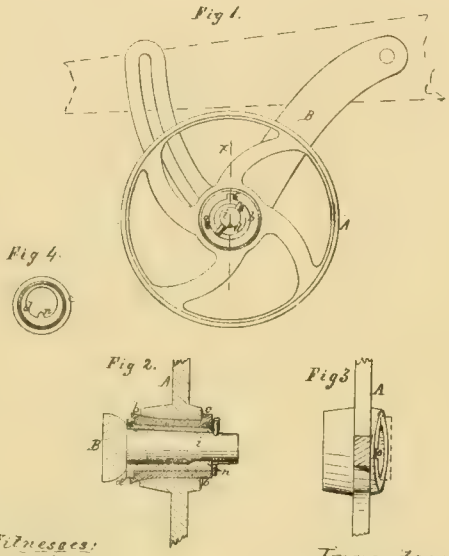
Witnesses:
[illegible]
[illegible]

Inventor
David D. Gibson
per
T. H. Alexander
Atty

HENRY GALENTINE.

Improvement in Plow Wheels.

No. 120,581. Patented Nov. 7, 1871.



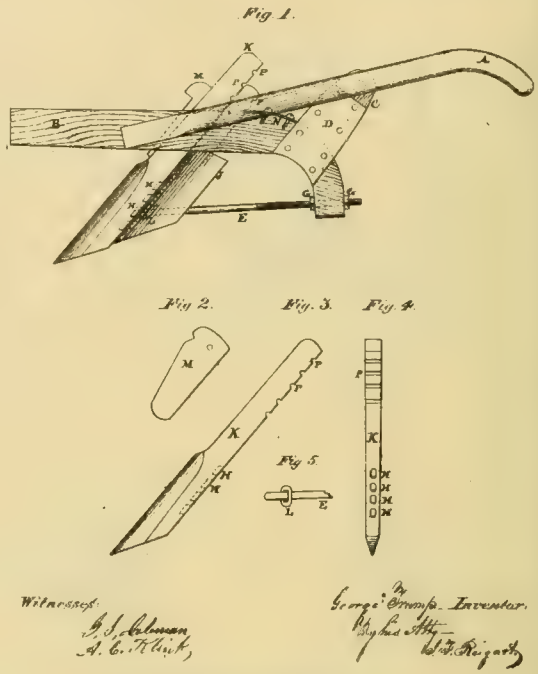
Witnesses:
J. E. Chase
A. W. Kingsport

Inventor:
H. Galentine
By Longbottom & Clement
Attys

George Krumps'

Improvement in Plows.

No. 120,839. Patented Nov. 14, 1871.



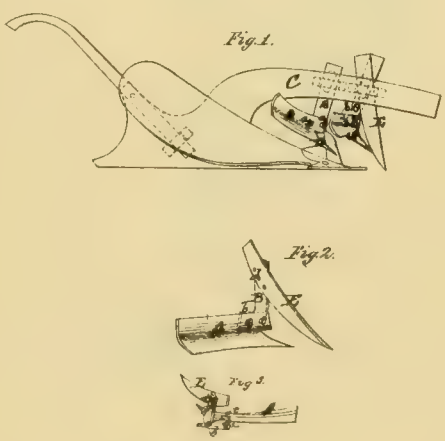
Witnesses:
G. J. Coleman
A. C. Klunk

George Krumps Inventor.
By his Att
W. T. Rigsby

Horace M. Keith's

PLOW.

No. 121,382. Patented Nov. 28, 1871.

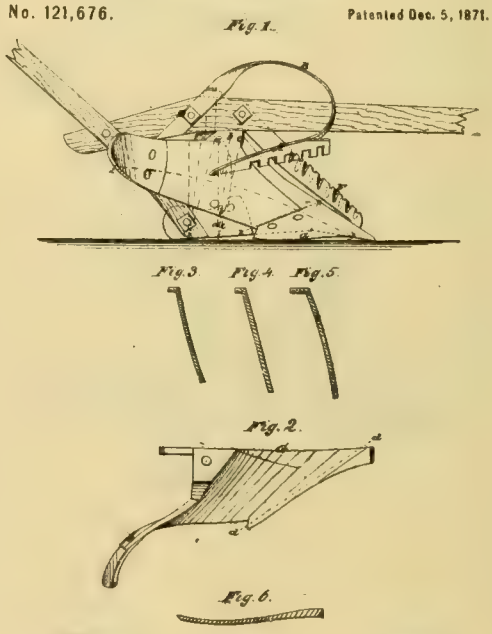


Witnesses
John A. Ellis
G. D. White

Inventor
Horace M. Keith.
By
J. H. Alexander
Atty.

J. M. Smith. Plow.

No. 121,676. Patented Dec. 5, 1871.



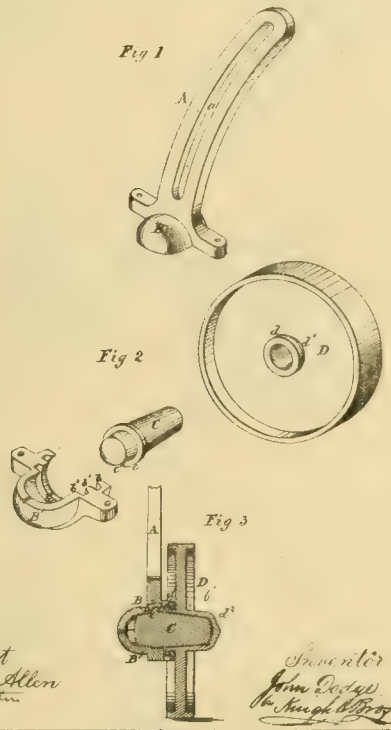
Witnesses:
E. Wolff.
Wm. H. C. Smith

Inventor:
J. M. Smith
per Munn & Co
Attorneys.

JOHN DODGE.

Improvement in Plows.

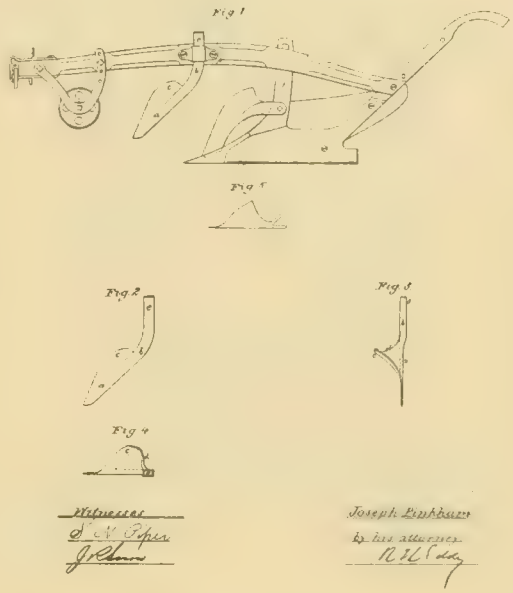
No. 122,582. Patented Jan. 9, 1872.



JOSEPH PINKHAM.

Improvement in Plow Coulters.

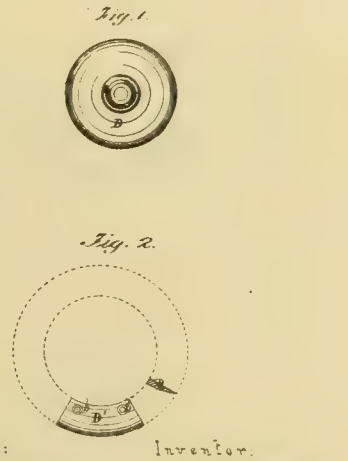
No. 123,838. Patented Feb. 20, 1872.



B. W. TUTTLE.

Improvement in Plows.

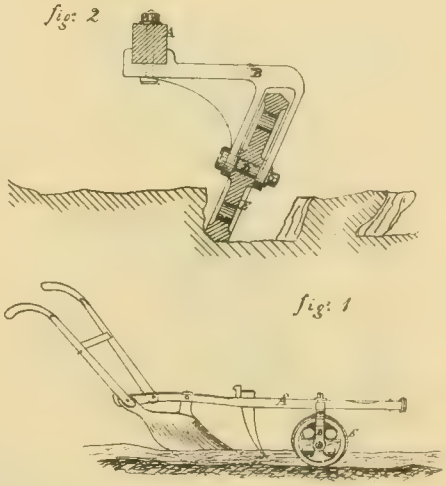
No. 126,655. Patented May 14, 1872.



B. W. TUTTLE.

Improvement in Plows.

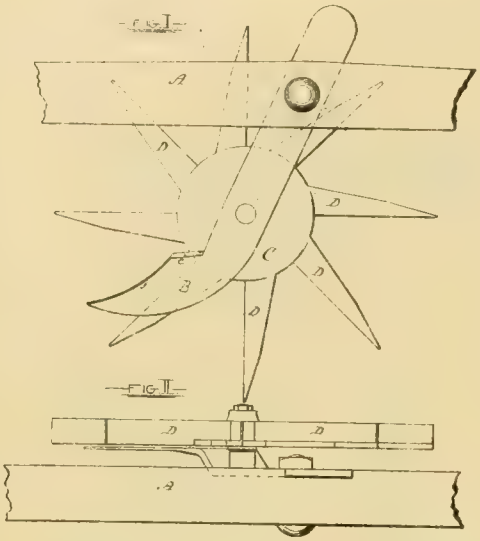
No. 126,656. Patented May 14, 1872.



M. W. LANE.

Improvement in Plows.

No. 127,613. Patented June 4, 1872.



WITNESSES:

Geo. H. Howard
J. C. Kitting

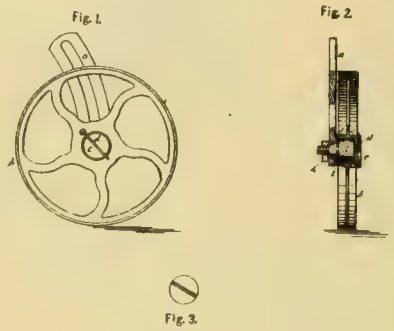
INVENTOR,

Marion W. Lane
By his attorney
Jno. Dell

L. C. BRISTOL.

Improvement in Plow-Wheel.

No. 121,734. Patented June 11, 1872.



Witnesses.

Thos Turles
C. A. Clarke

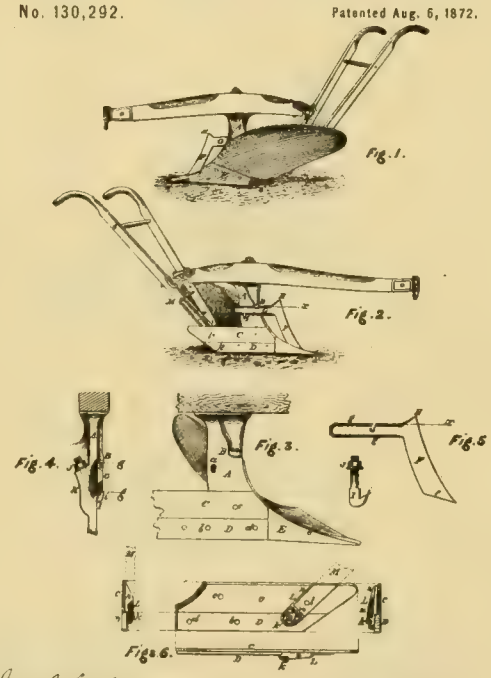
Inventor.

Levi C. Bristol

L. GIBBS.

Improvement in Plows.

No. 130,292. Patented Aug. 6, 1872.



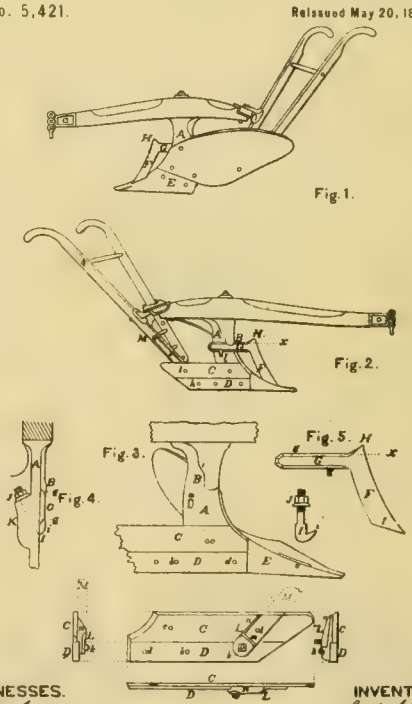
James W. Grant
Andrew Chiffon } Witnesses

Lewis Gibbs, Inventor
by Job Abbott, Attorney

L. GIBBS.

Plows.

No. 5,421. Reissued May 20, 1873.



WITNESSES.

Pellett Anderson
N. F. Hale

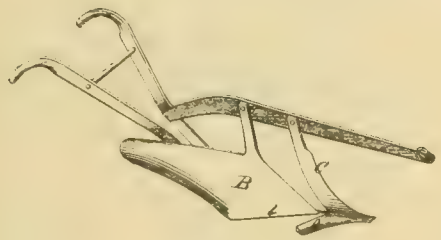
INVENTOR.

Lewis Gibbs,
Chapman & Co.
Attys

M. BUTLER.

Improvement in Plows.

No. 130,697. Patented Aug. 20, 1872.



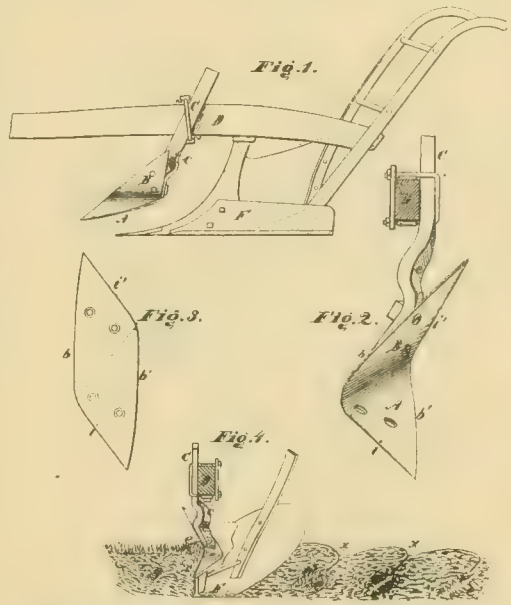
Witnesses
W. Bradford
Adolph Bik.

Manirve Butler
Inventor
D. P. Holloway & Co
Attys.

J. RUNYON.

Improvement in Plows.

No. 130,751. Patented Aug. 20, 1872.



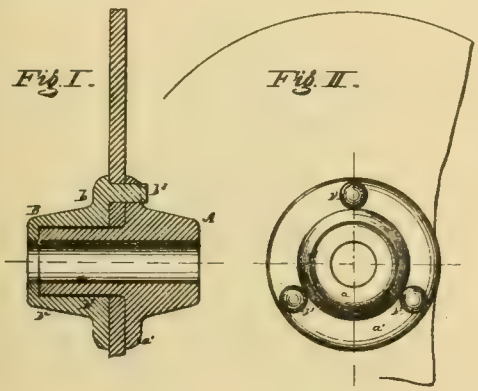
Witnesses.
H. L. Perrine
A. C. Bradley

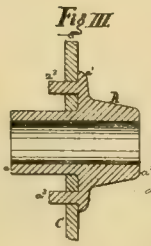
Inventor.
John Runyon,
by Geo. H. Mitchell
Case Atty.

H. M. SKINNER.

Improvement in Plows.

No. 131,309. Patented Sep. 10, 1872.





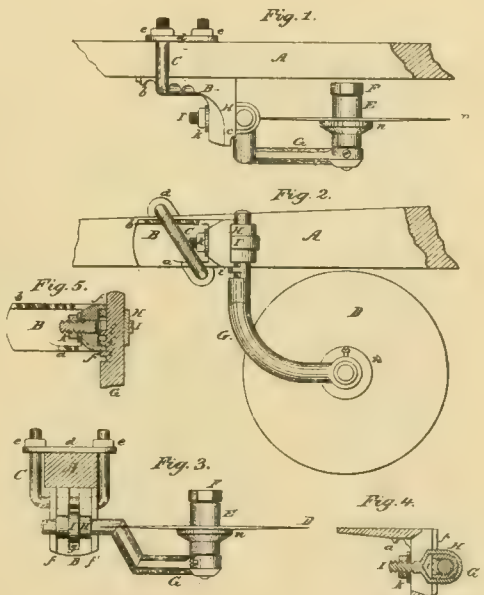
WITNESSES:
Geo. H. Howard
S. J. Royce

INVENTOR:
H. M. Skinner by
R. W. Beadle atty.

C. NASH.

Improvement in Plows.

No. 132,406. Patented Oct. 22, 1872.



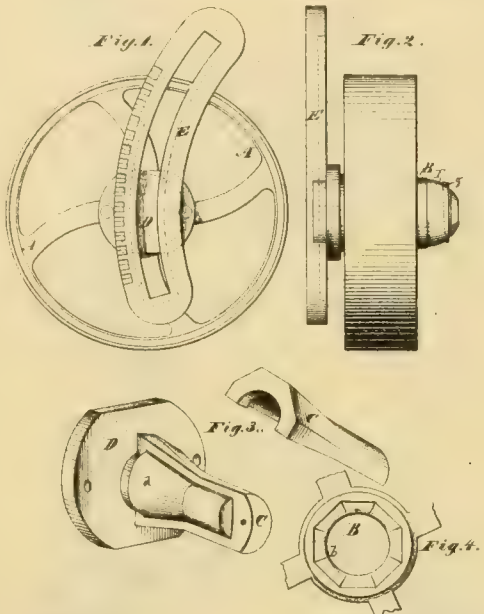
Witnesses.
Jacob Behel
J. G. Marlone

Inventor.
Chester Nash

M. POTTER.

Plow-Wheels.

No. 136,179. Patented Feb. 25, 1873.



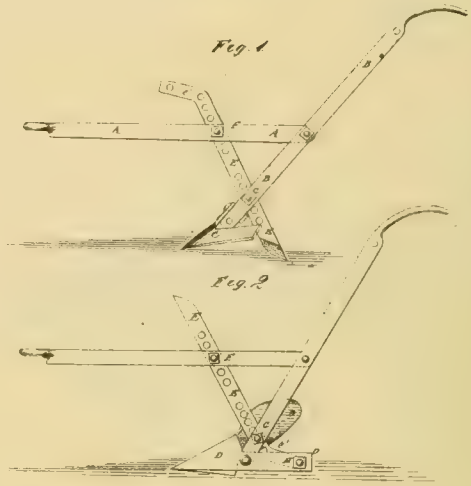
Witnesses:
R. H. Whittlesey
H. T. Hutchinson

Inventor:
Morton Potter
by
S. M. Pott

J. R. NICHOLS.

Plows.

No. 136,257. Patented Feb. 25, 1873.



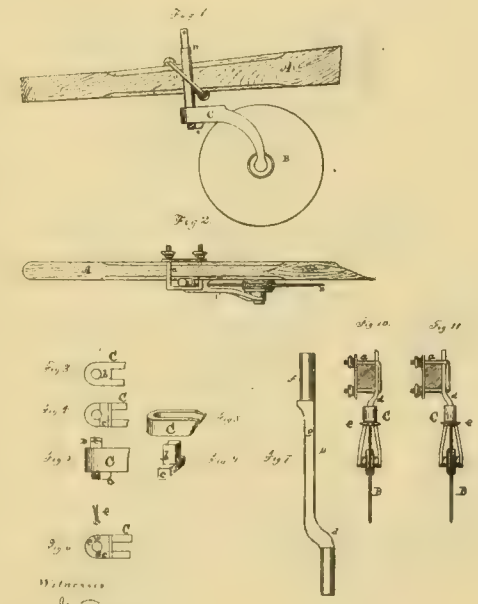
Witnesses:
A. W. Klugrich
Jos. Quick

Inventor:
J. R. Nichols
per
Munn & Co.
Attorneys.

R. EMERSON.

Colters.

No. 136,647. Patented March 11, 1873.



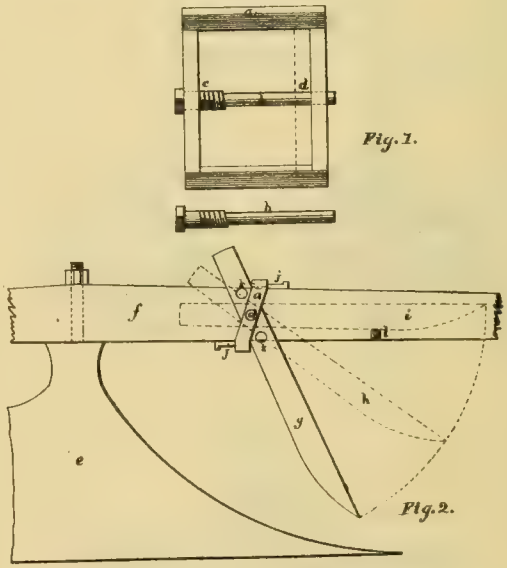
Witnesses
Wm. Talcott
Jno. Fagan

Ralph Emerson Inventor

C. H. THOMAS.

Coulter-Clasps.

No. 141,675. Patented August 12, 1873.

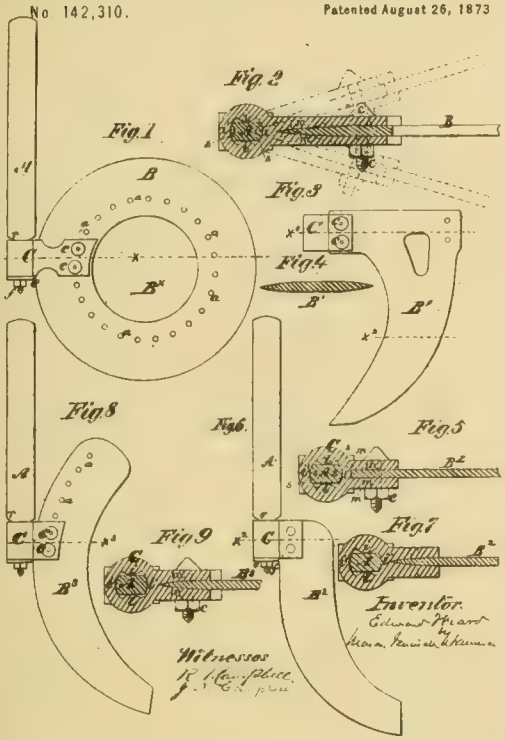


Witnesses:
Timothy C. Dailey
David Morris

Inventor.
Chas. H. Thomas.

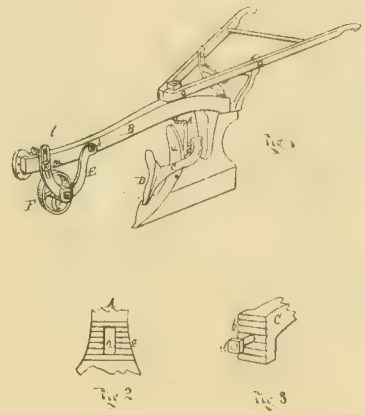
E. WIARD.
Plow-Colters.

No. 142,310. Patented August 26, 1873



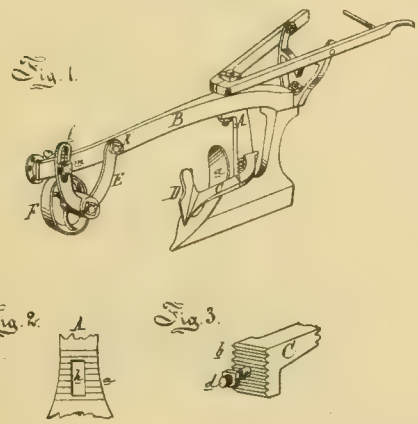
H. GALE.
Plow Jointers.

No. 147,629. Patented Feb. 17, 1874



H. GALE.
PLOW-JOINTER.

No. 6,824. Reissued Dec. 28, 1875.

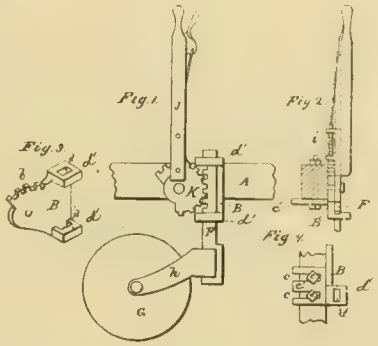


Attest:
Edward Rawtel
Wm P Spalding

Inventor:
H Gale
By Att
Thos B Magee

J. & G. ARMSTRONG.
Plow-Colters.

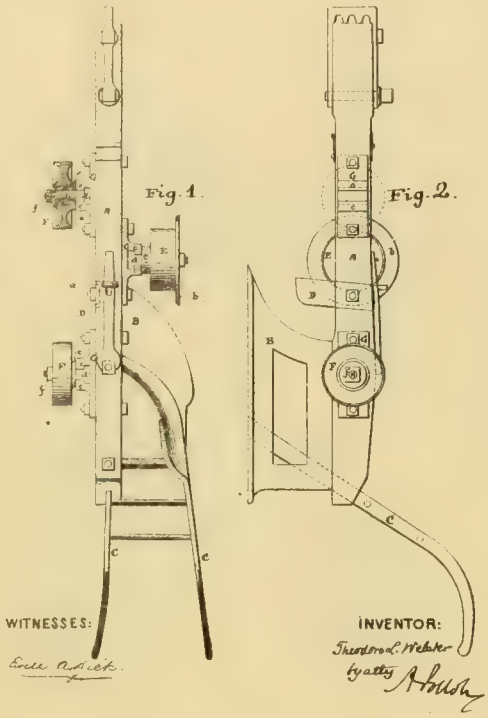
No. 148,915 Patented March 24, 1874



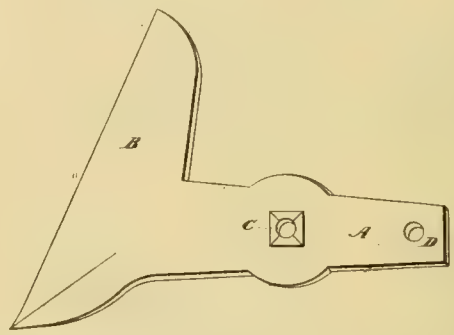
Witnesses:
A. V. Du Hamel
Thomas Byrne

Inventor.
James Armstrong.
George Armstrong.
Per H. C. Robert.
Attorney.

T. L. WEBSTER.
Plows.
No. 152,887. Patented July 7, 1874.

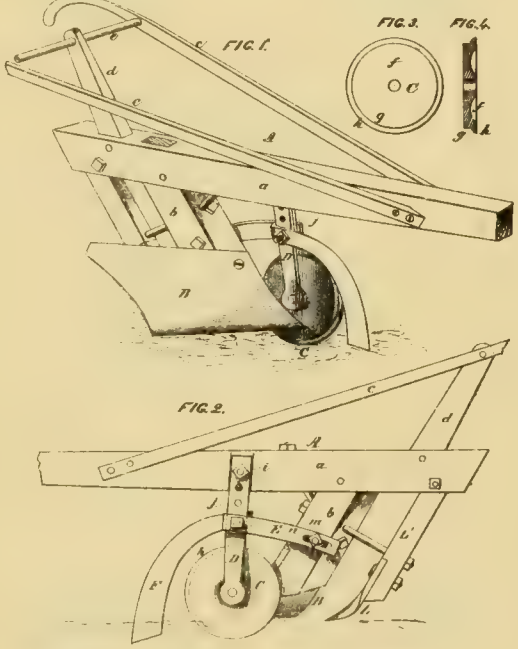


D. JONES.
Plow-Coulters.
No. 153,489. Patented July 28, 1874.



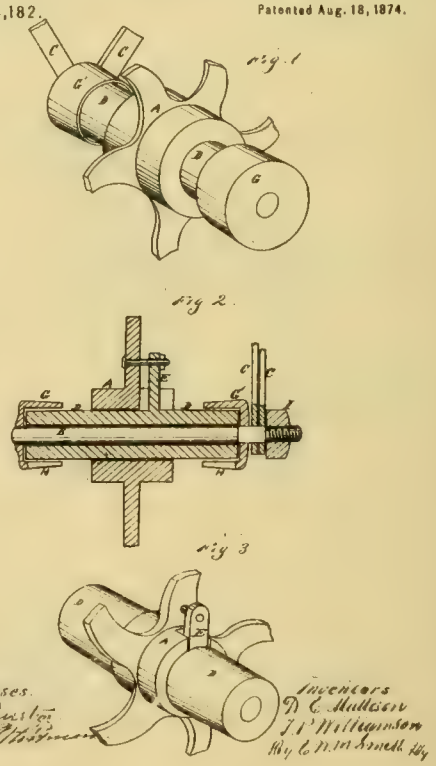
Witnesses.
Inventor.
David Jones.

O. M. SHEMWELL.
Cultivators.
No. 153,620. Patented July 28, 1874.



Witnesses:
Inventor:
O. M. Shemwell

D. C. MATTESON & T. P. WILLIAMSON.
Gage-Wheels for Gang-Plows and Cultivators.
No. 154,182. Patented Aug. 18, 1874.

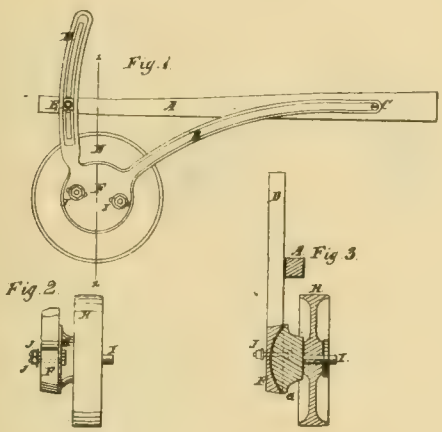


Witnesses.
Inventors
D. C. Matteson
T. P. Williamson

W. S. LAWRENCE.

Plow-Wheels.

No. 156,427. Patented Nov. 3, 1874.



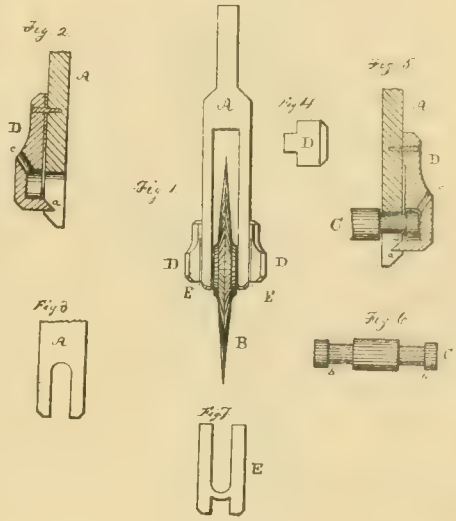
Witnesses
Francis F. Brown
Lewis L. Coburn

Inventor:
William S. Lawrence

A. P. WEBBER.

Coulters.

No. 158,552. Patented Jan. 5, 1875.



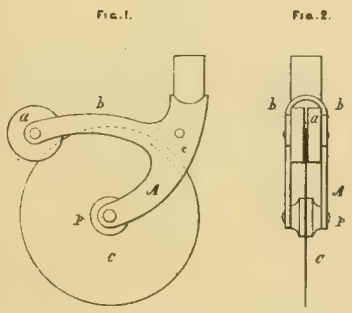
Witnesses.
O. W. Bond.
G. L. Howell

Alanson P. Webber.
By Thos. W. Bond. Atty.
Inventor

A. M. DAVIS.

Colter.

No. 160,309 Patented March 2, 1875.



WITNESSES

David R. Ross
H. D. Stile

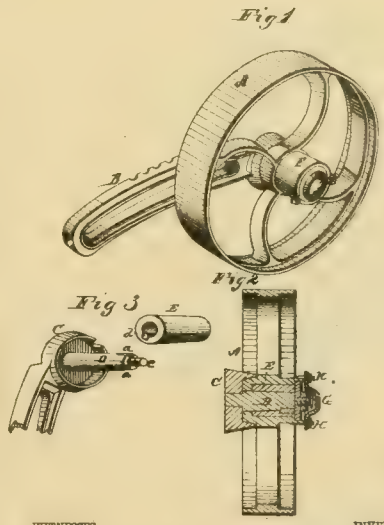
INVENTOR

Albert M. Davis

D. ALLEN.

Plow-Wheel.

No. 161,193. Patented March 23, 1875.



WITNESSES

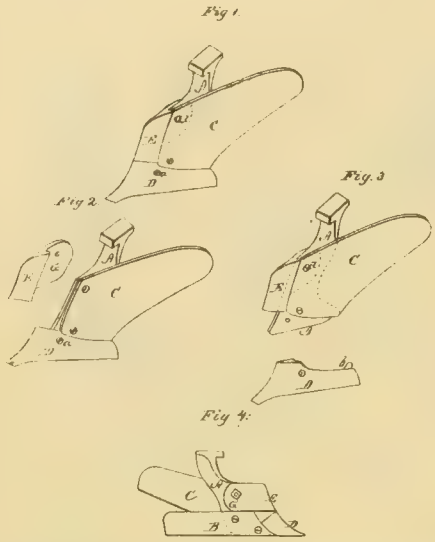
Francis L. Quinard
G. L. Ewerts

INVENTOR

David Allen
Alexander & Dunbar
Attorneys

J. P. ZELLER.
Plow.

No. 163,563 Patented May 18, 1875.

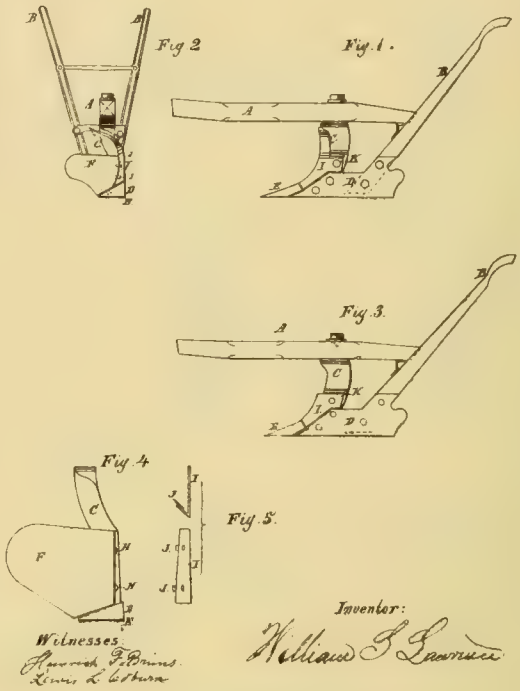


WITNESSES
Henry N. Miller
C. L. Ewert.

John P. Zeller. INVENTOR
Fr. Asaph Thacher
ATTORNEYS

W. S. LAWRENCE.
Plow.

No 165,451. Patented July 13, 1875.

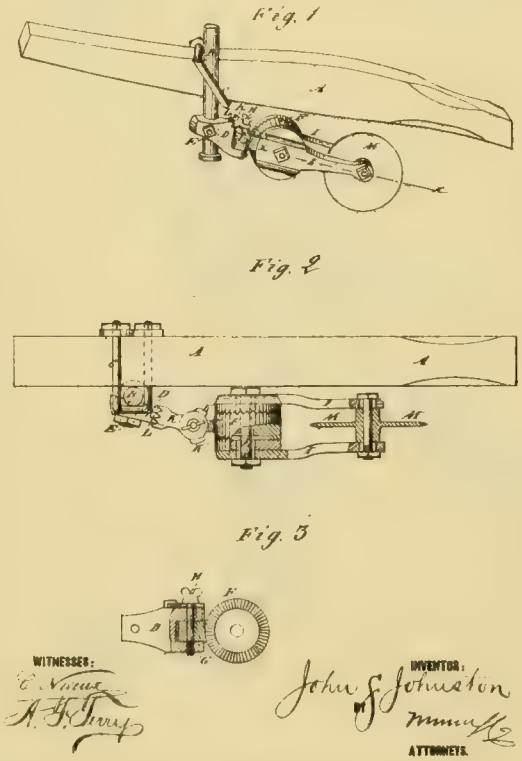


Witnesses
Francis F. Brinn
Lewis L. Coburn

Inventor:
William S. Lawrence

J. S. JOHNSTON.
Colter-Attachment.

No. 167,256. Patented Aug. 31, 1875.

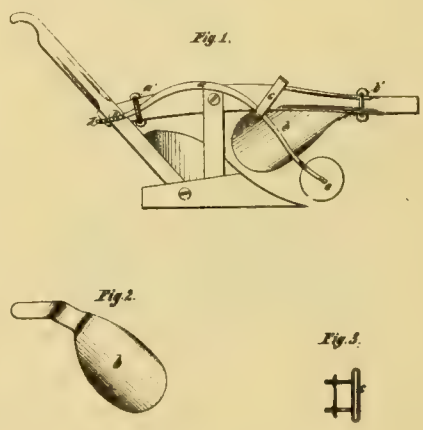


WITNESSES:
C. Neuer
A. H. Terry

John S. Johnston INVENTOR:
by Munn & Co
ATTORNEYS.

G. C. LYONS.
Colter.

No. 168,840. Patented Oct. 19, 1875

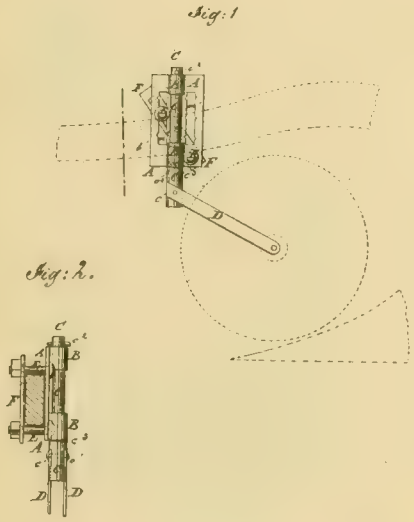


Witnesses
H. R. Ballinette
James Renner

Inventor
Gilbert C. Lyons

A. MUIR.
COLTER.

No. 171,692. Patented Jan. 4, 1876.

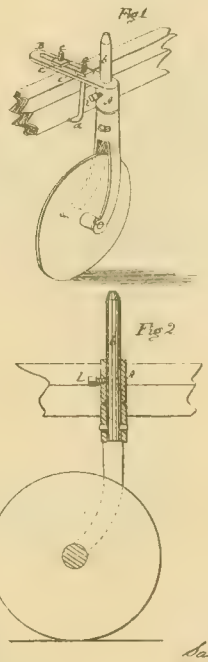


WITNESSES:
Chas. Nida
Alex F. Roberts

INVENTOR:
A. Muir
BY
Munn & Co
ATTORNEYS.

S. T. FERGUSON.
COLTER.

No. 172,872. Patented Feb. 1, 1876.

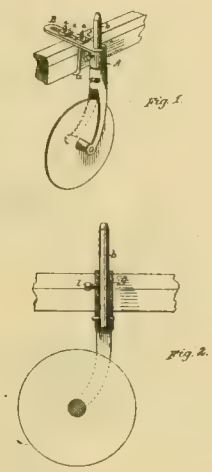


Witnesses:
L. R. Townsend
Hill & Moore

Inventor:
Saml T. Ferguson
per atty
A. H. Evans & Co.

S. T. FERGUSON.
Colter.

No. 8,038. Reissued Jan. 15, 1878.

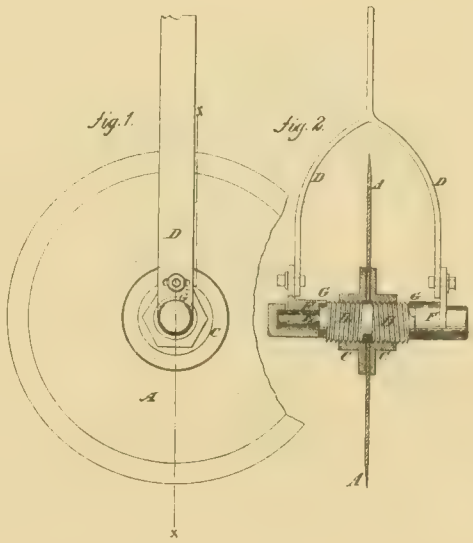


WITNESSES:
C. Clinton Cole
Geo. H. Evans

INVENTOR
Sam T. Ferguson
per atty A. H. Evans & Co

K. W. MANWARING.
COLTER.

No. 174,736. Patented March 14, 1876.



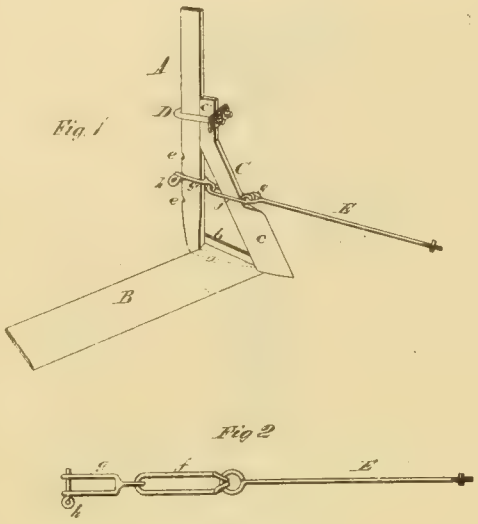
WITNESSES:
John Coelfall
Alfred Lyscott

INVENTOR:
K. W. Manwaring
BY
Munn & Co
ATTORNEYS.

A. C. GABEL.

PLOW-ATTACHMENT.

No. 175,963. Patented April 11, 1876.



WITNESSES

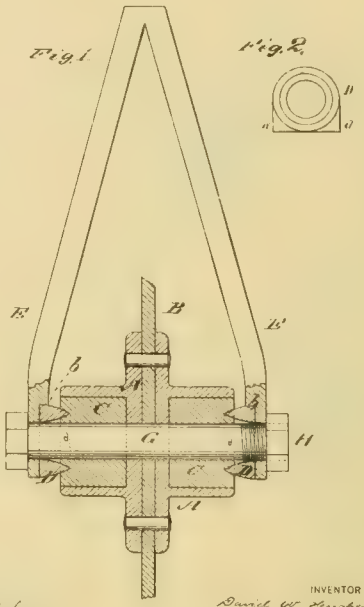
INVENTOR.

ATTORNEYS

D. W. HUGHES.

ROLLING COLTER.

No. 178,443. Patented June 6, 1876.



WITNESSES

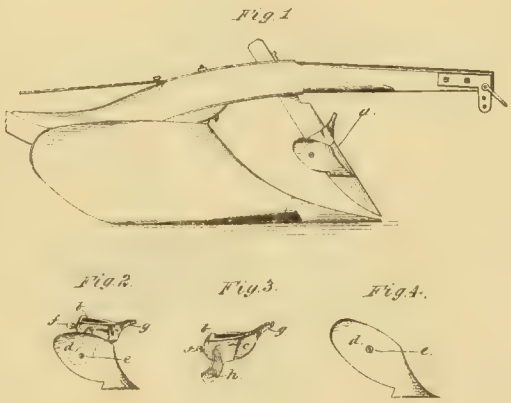
INVENTOR

ATTORNEYS.

G. & J. THOMSON.

LAND SKIMMERS FOR PLOW.

No. 178,978. Patented June 20, 1876.



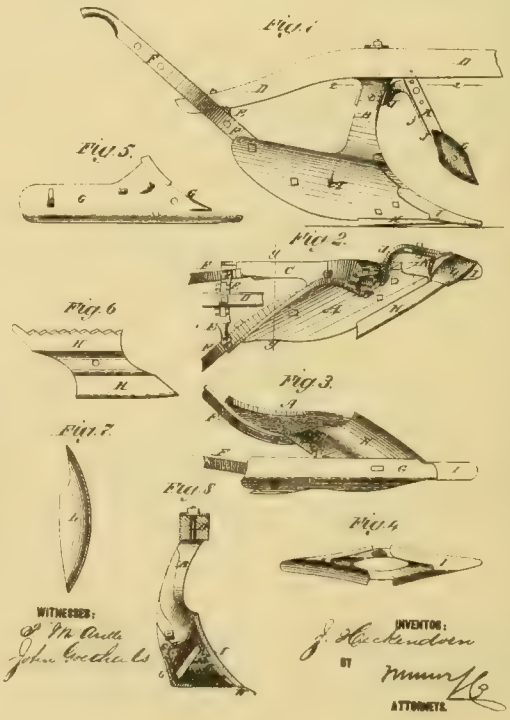
Witnesses.

Inventors

J. HECKENDORN.

PLOW.

No. 179,699. Patented July 11, 1876.



WITNESSES:

INVENTOR:

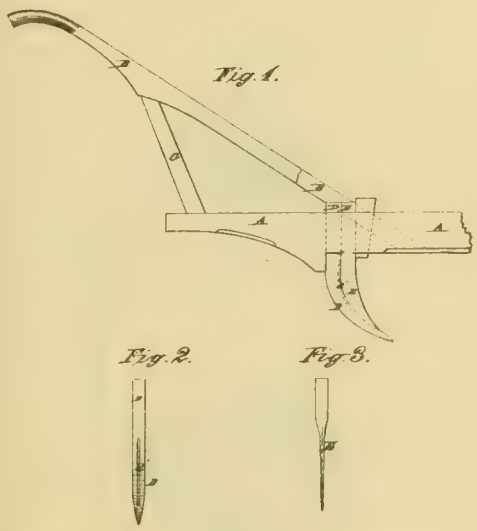
BY

ATTORNEYS.

S. M. LOVELL.

TURF AND GRUBBING COULTER.

No. 185,685. Patented Dec. 26, 1876



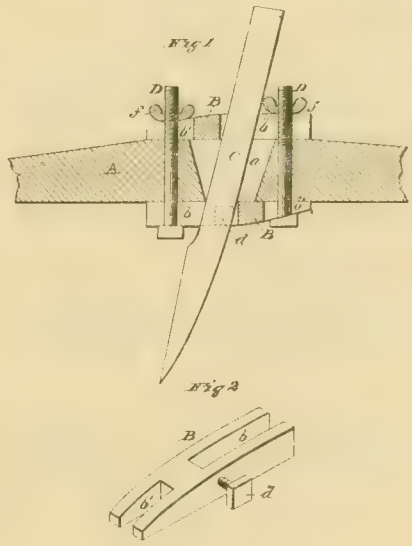
WITNESSES:
H. C. Ridgway
John Lockhals

INVENTOR:
S. M. Lovell.
BY
ATTORNEYS.

W. H. COLLETT.

COLTER-PLOW.

No. 187,106. Patented Feb. 6, 1877.



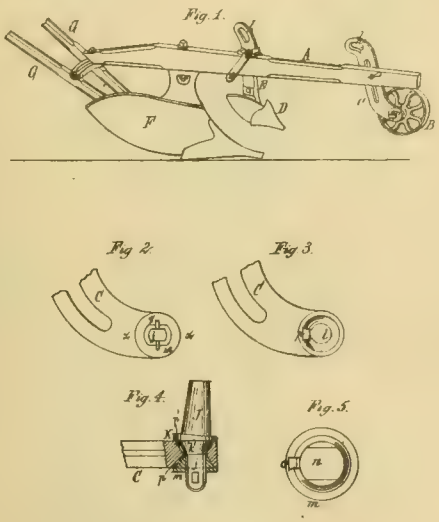
WITNESSES
Franck L. Durand.
Henry H. Millet

INVENTOR
Wm. H. Collett
By Chandler & Sheldon
Attorneys

T. WIARD.

PLOW.

No. 187,950. Patented Feb. 27, 1877.



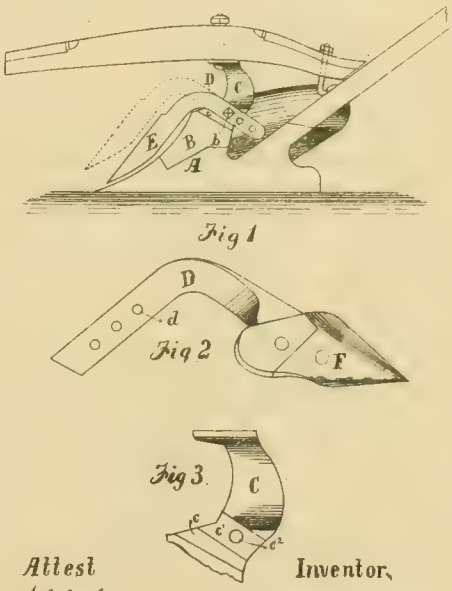
Witnesses
Charles Bullard
George H. Sykes

Thomas Wiard Inventor
By Edward Wetherbee
Attorney

W. S. LAWRENCE.

PLOW.

No. 188,019. Patented March 6, 1877.



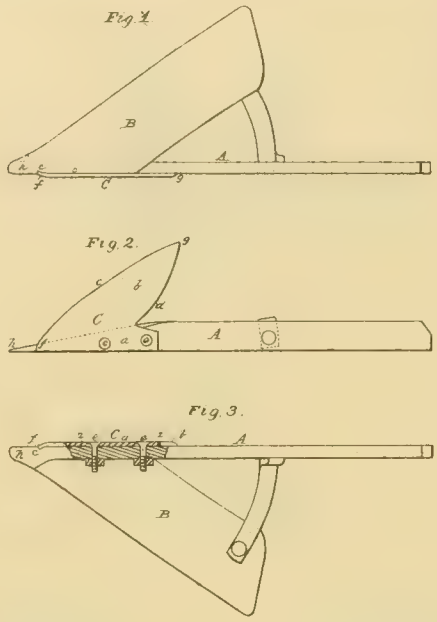
Attest
W. H. Corlies.
E. S. Lloyd.

Inventor,
William S. Lawrence.
By Edmund Burke
Attys.

J. GENZLY.

SOD-CUTTER.

No. 188,352. Patented March 13, 1877.



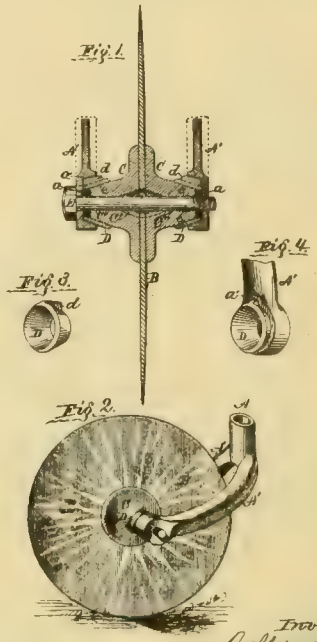
WITNESSES
Willette Anderson
Walter Collins

INVENTOR
Jacob Genzly,
by Ed. W. Anderson,
ATTORNEY

G. MOORE.

COLTER JOURNAL.

No. 188,750. Patented March 27, 1877.



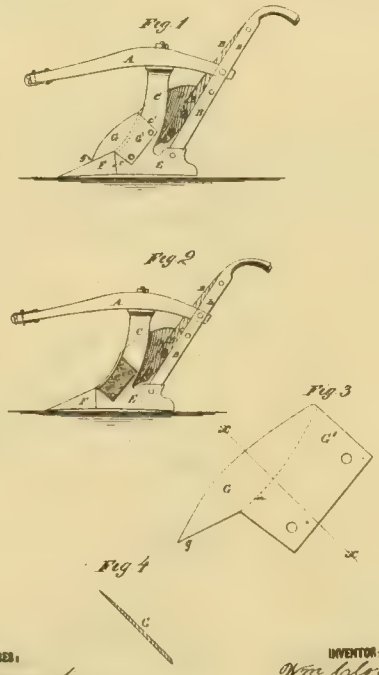
Witnesses:
Chas. Tupper
O. R. Richards

Inventor;
Gilpin Moore,
By W. B. Richards,
Atty.

W. CLORE.

FLOW.

No. 189,607. Patented April 17, 1877.



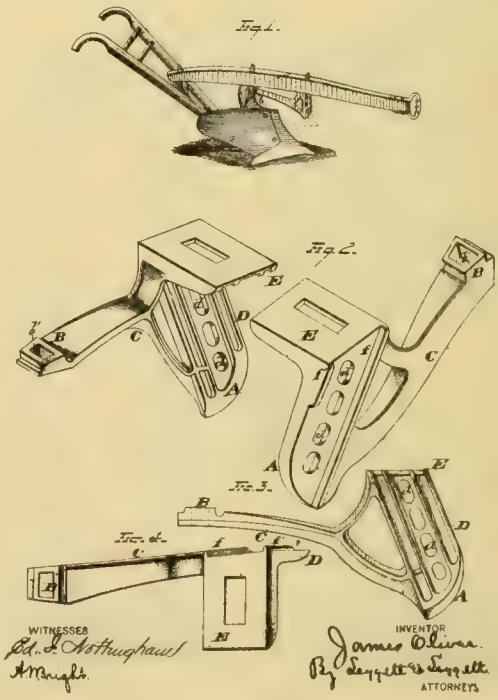
WITNESSES:
A. W. Hengerd
J. H. Scarborough

INVENTOR:
Wm. Clore
BY
Munn & Co
ATTORNEYS.

J. OLIVER.

COLTER OR JOINTER SUPPORTER FOR PLOWS.

No. 190,510. Patented May 8, 1877.

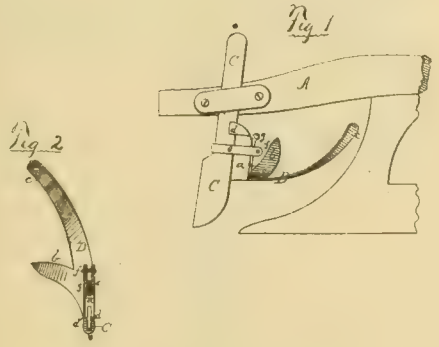


WITNESSES
Ed. S. Arthughaus
A. Wright

INVENTOR
James Oliver.
By Leggett & Leggett
ATTORNEYS

J. DENSMORE.
PLOW-JOINTER.

No. 190,672. Patented May 15, 1877.

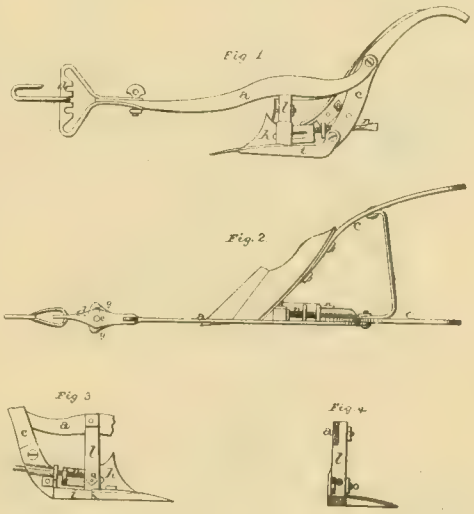


Witnesses
J. R. Drake.
T. H. Parsons

Jay Densmore
Inventor
by
J. R. Drake
atty

F. RICK.
PLOW.

No. 191,469. Patented May 29, 1877.

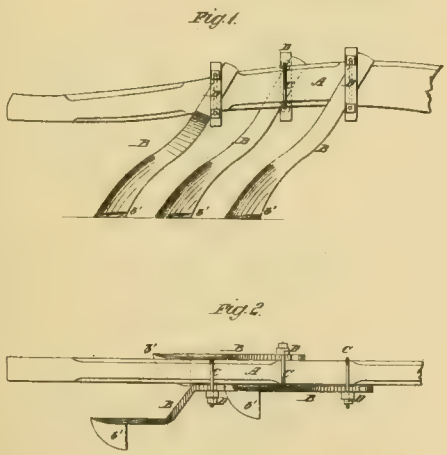


WITNESSES
J. Wm. Garner
Albert J. de Jogh

INVENTOR
F. Rick
per
F. A. Lehmann atty

C. R. THOMPSON.
PLOW-COLTERS.

No. 191,622. Patented June 5, 1877.



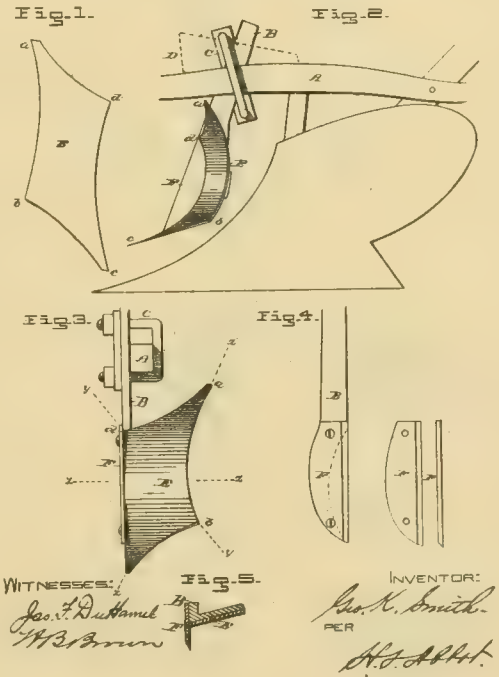
WITNESSES:
Frances M. Ardle.
J. H. Fearbrough.

INVENTOR:
C. R. Thompson
BY
Munn & Co
ATTORNEYS.

2 Sheets—Sheet 1.

G. K. SMITH.
COMBINED COLTER AND JOINTER.

No. 192,538. Patented June 26, 1877.



WITNESSES:
Jas. F. DuHamel
W. B. Brown

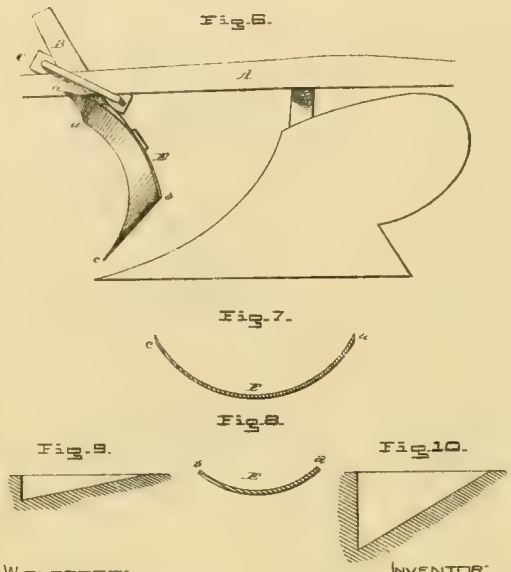
INVENTOR:
Geo. K. Smith
PER
H. J. Abbott
ATTORNEY.

2 Sheets—Sheet 2.

G. K. SMITH.

COMBINED COLTER AND JOINTER.

No. 192,538. Patented June 26, 1877.



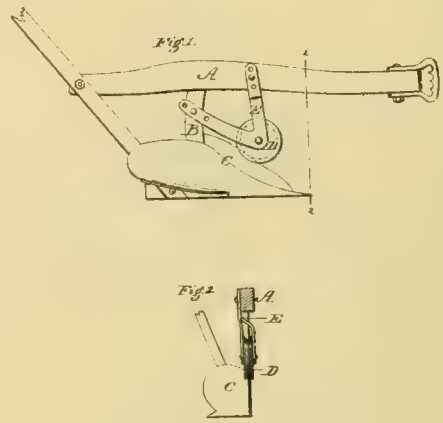
WITNESSES:
Jas. F. Duhamel
H. B. Brown

INVENTOR:
Geo. K. Smith
PER
A. S. Atty.
ATTORNEY.

J. W. WOOD.

PLOW.

No. 193,102. Patented July 17, 1877.



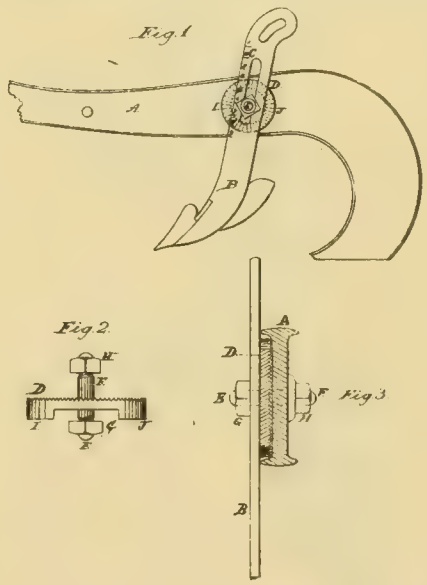
Witnesses:
Dana S. Tuttle
Will H. Dodge

Inventor:
J. W. Wood
By Dodgerson
Attys.

G. V. H. WHITBECK.

ATTACHING COLTERS TO PLOWS.

No. 194,116. Patented Aug. 14, 1877.



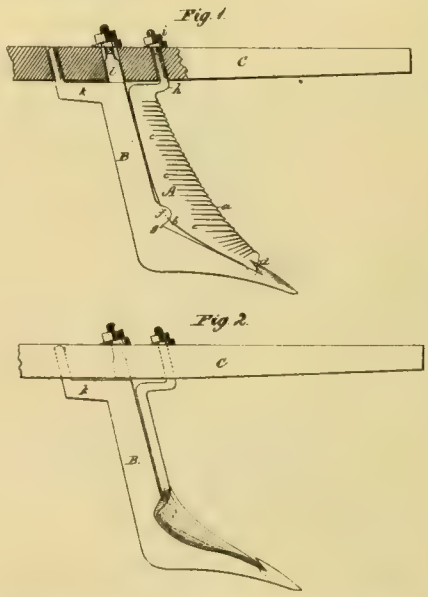
Witnesses
William H. Brooks
Sylvester Pettifield

Inventor:
George V. H. Whitbeck

A. H. FARMER.

COLTER AND PLOW-STOCK.

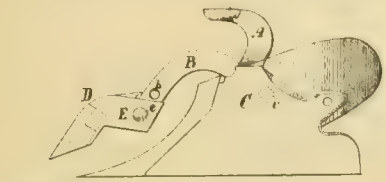
No. 194,665. Patented Aug. 28, 1877.

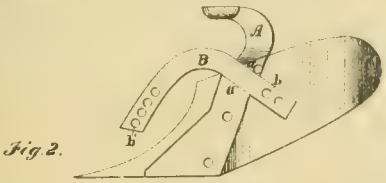


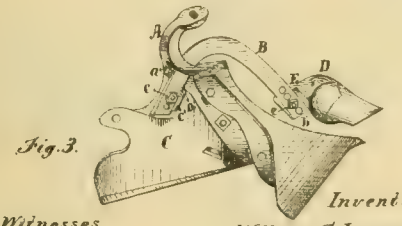
WITNESSES:
W. W. Hollingsworth
John Kannon

INVENTOR:
Andrew H. Farmer
BY
Kum & Co.
ATTORNEYS.

W. S. LAWRENCE.
Plow.
No. 196,026. Patented Oct. 9, 1877.



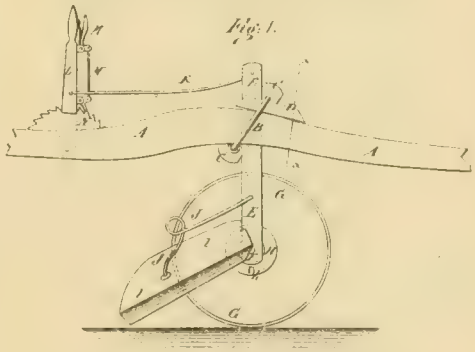


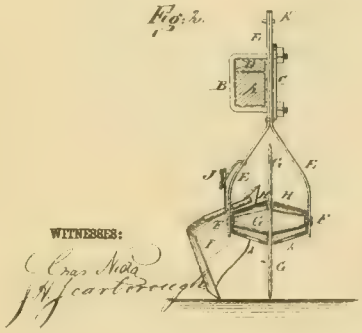


Witnesses
H. C. Coles.
Jno. C. Macbryer

Inventor
William S. Lawrence.
By C. Thurston Shaw
Attorneys.

W. H. MELLON.
Rotary Cutter and Shield for Plows.
No. 196,160. Patented Oct. 16, 1877.

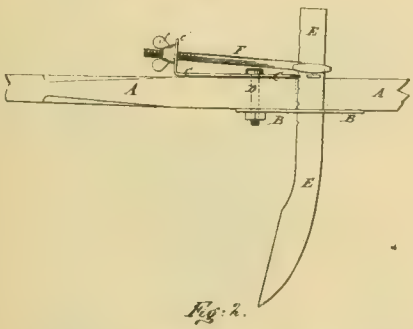


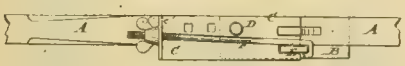


WITNESSES:
Chas Nida
J. H. Scarborough

INVENTOR:
W. H. Mellon
BY Munn & Co
ATTORNEYS.

J. F. F. PORTER.
Fasteners for Colters and Plow-Standards.
No. 196,385. Patented Oct. 23, 1877.

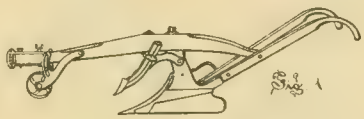


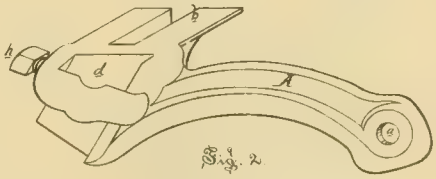


WITNESSES:
Chas Nida
J. H. Scarborough

INVENTOR:
J. F. F. Porter
BY Munn & Co
ATTORNEYS.

F. R. BEAL & S. CLARK.
Colter or Jointer Arms for Plows.
No. 197,448. Patented Nov. 27, 1877.



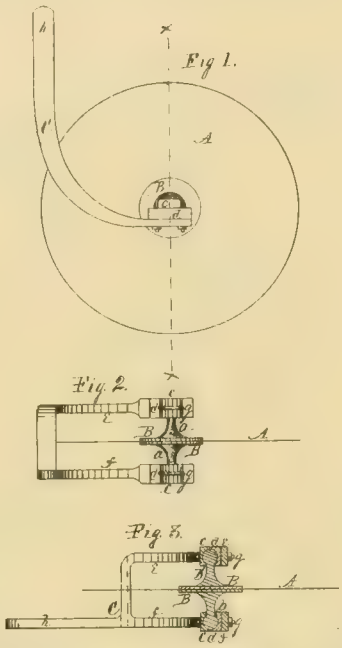


Witnesses
H. L. Aulls
Chas. J. Mann

Inventors
F. R. Beal
S. Clark
By Atty
Wm. S. Sprague

E. A. SANDERS.
Rolling-Colter.

No. 199,937. Patented Feb. 5, 1878

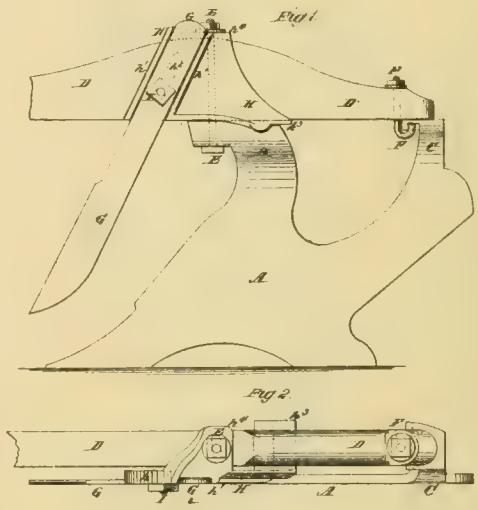


Witnesses.
S. H. Mc
S. Mouck

Inventor.
Ebenezer A. Sanders
Per Jacob Bickel
Atty.

R. B. THOMSON.
Colter-Holder for Plows.

No. 200,230. Patented Feb. 12, 1878.

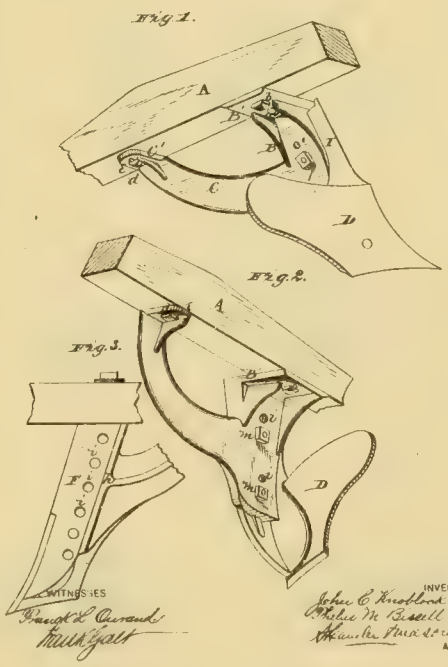


WITNESSES:
J. H. Yearbrough.

INVENTOR:
R. B. Thomson.
BY
ATTORNEYS

J. C. KNOBLOCK & T. M. BISSELL.
Plow.

No. 200,734. Patented Feb. 26, 1878.

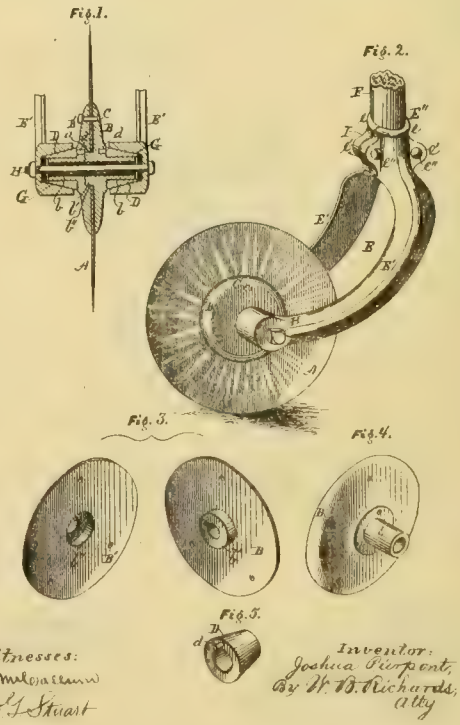


WITNESSES
Frank L. Durand
Milton Galt

INVENTOR
John C. Knoblock
Theo. M. Bissell
ATTORNEYS

J. PIERPONT.
Plow-Colter.

No. 200,842. Patented March 5, 1878.

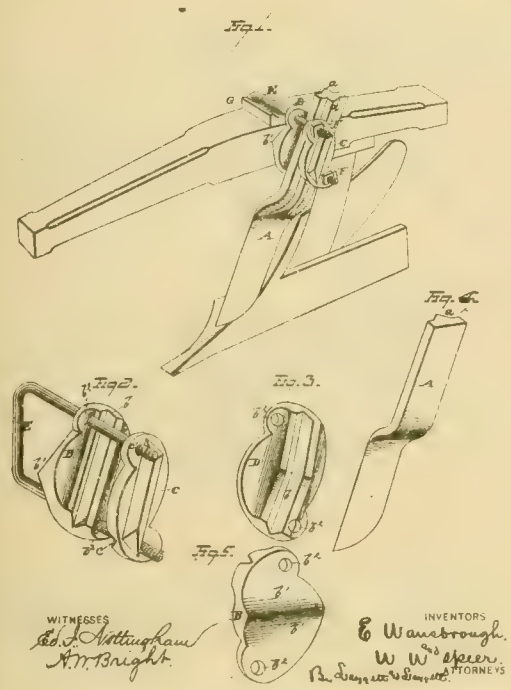


Witnesses:
A. L. Stewart

Inventor:
Joshua Pierpont,
By W. B. Richards,
Atty

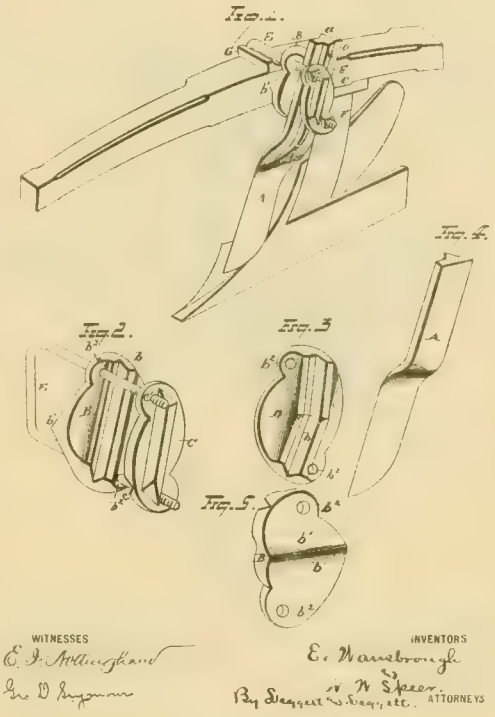
E. WANSBROUGH & W. W. SPEER.
Plow Cutter.

No. 201,470. Patented March 19, 1878.



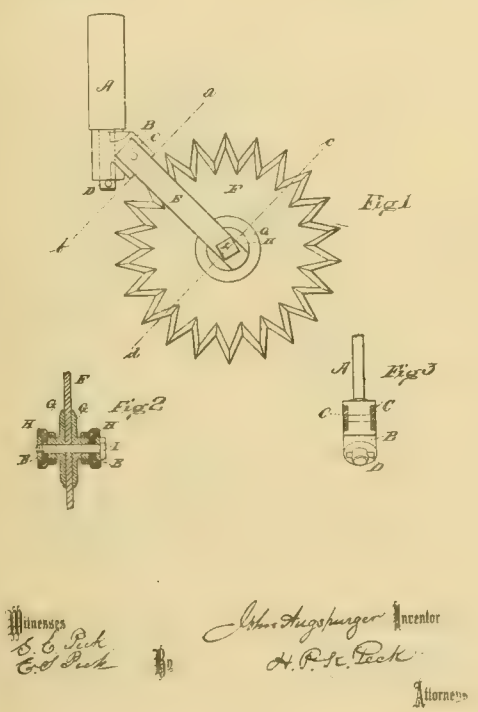
E. WANSBROUGH & W. W. SPEER,
Assignors to A. Speer & Sons
Plow-Cutter.

No. 8,888. Reissued Sept. 9, 1879.



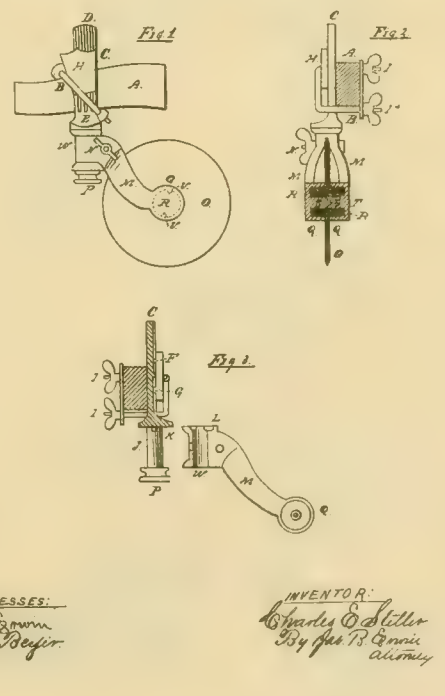
J. AUGSPURGER.
Colter for Plows.

No. 202,624. Patented April 23. 1878.



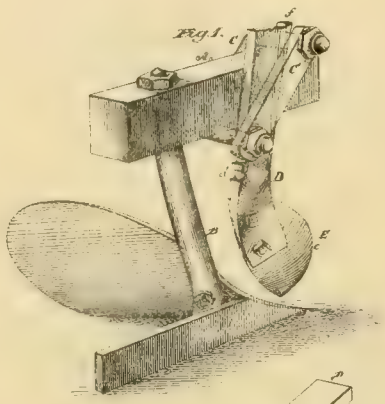
C. E. STELLER.
Colter.

No. 203,668. Patented May 14, 1878.



E. JARRELL.
Plow-Colter.

No. 206,334. Patented July 23, 1878.



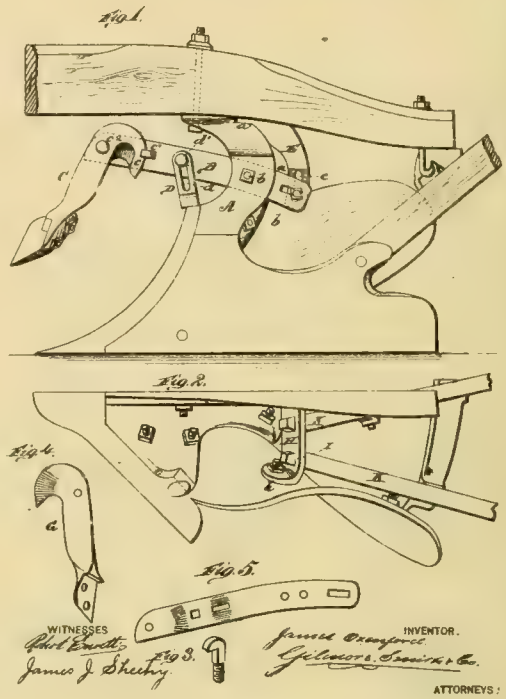
WITNESSES
John A. Ellis
Robt Everett

INVENTOR.
Edwin Jarrell.
Gilmore, Smith & Co.
ATTORNEYS.

2 Sheets—Sheet 1.

J. OXENFORD.
Plow-Colter.

No. 206,818. Patented Aug. 6, 1878.



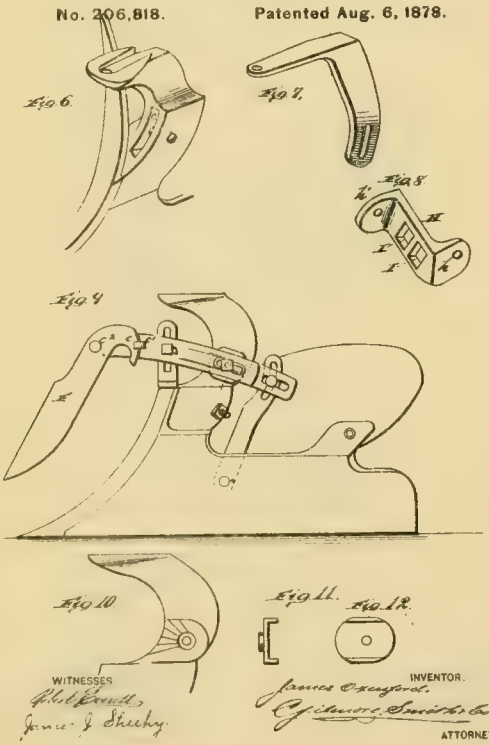
WITNESSES
Robt Everett
James J. Sheehy

INVENTOR.
James Oxenford.
Gilmore, Smith & Co.
ATTORNEYS.

2 Sheets—Sheet 2.

J. OXENFORD.
Plow-Colter.

No. 206,818. Patented Aug. 6, 1878.

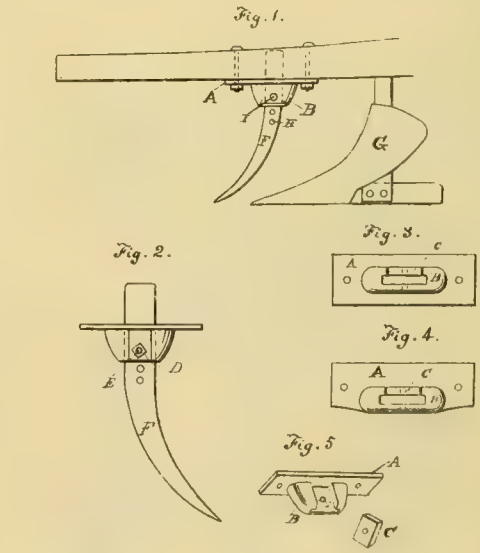


WITNESSES
Robt Everett
James J. Sheehy

INVENTOR.
James Oxenford.
Gilmore, Smith & Co.
ATTORNEYS.

S. HATHAWAY
Colter.

No. 207,352 Patented Aug. 27, 1878.

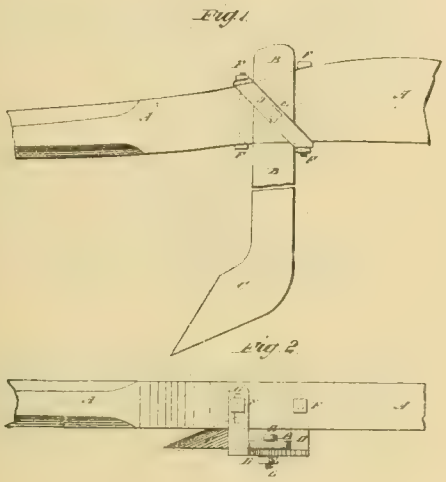


Witnesses:
C. C. Dimmighee
Thos. C. Dimmighee

Inventor.
Saml Hathaway
by H. J. Evans
Attorney.

M. D. SLOCUM.
Jointer-Clamp.

No. 207,451 Patented Aug. 27, 1878

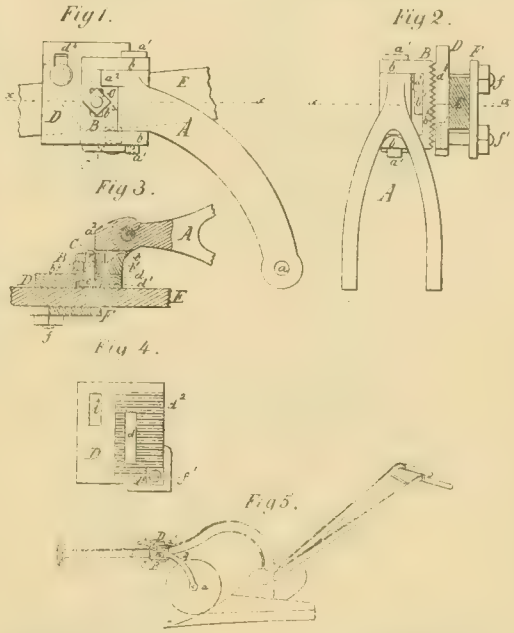


WITNESSES:
Francis M. Coyle.
C. Sedgwick

INVENTOR:
M. D. Slocum
BY Munn & Co.
ATTORNEYS.

A. H. BURLINGAME.
Rolling-Colter.

No. 207,589. Patented Sept. 3, 1878.

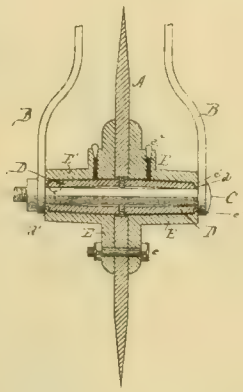


Witnesses:
J. P. Thompson
J. Rupell Stone

Inventor:
Albert H. Burlingame
by
Munn & Co. Solicitors & Attorneys

W. McGREGOR
Plow-Colter.

No. 209,129. Patented Oct. 22, 1878.

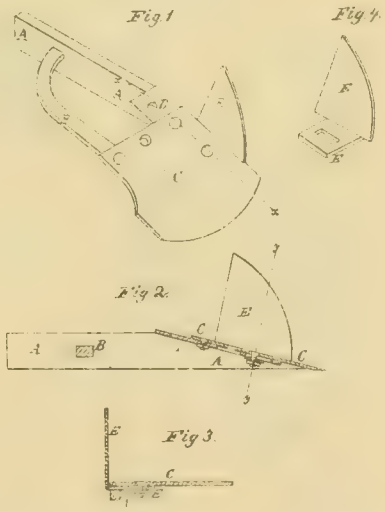


WITNESSES:
Jordan R. Smith
Benjamin Bliss

INVENTOR:
Wm McGregor
by Munday & Smith
his attys

R. B. MITCHELL.
Plow.

No. 209,412. Patented Oct. 29, 1878

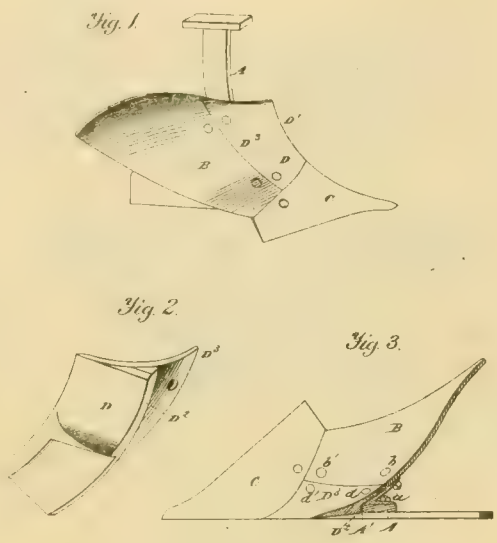


WITNESSES:
Henry N. Miller
C. Sedgwick

INVENTOR:
R. B. Mitchell
BY Munn & Co.
ATTORNEYS.

T. MEIKLE.
Plow-Colter.

No. 210,047. Patented Nov. 19, 1878.

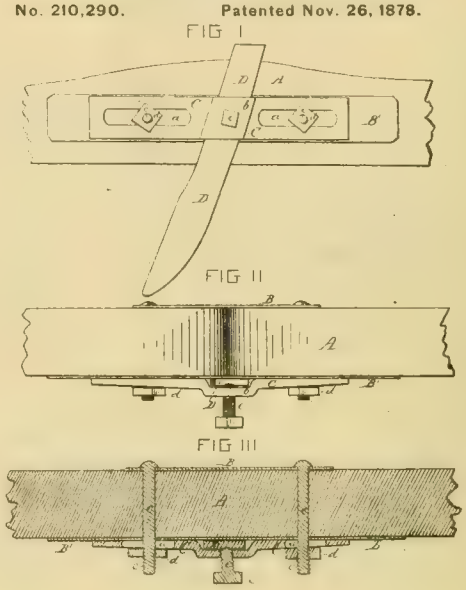


Witnesses
H. Ruppert
J. L. Mason

Thos. Meikle
Inventor:
D. P. Holloman & Co
Atty

W. A. & J. D. BOLICK & J. T. FAUCETT.
Plow Attachment.

No. 210,290. Patented Nov. 26, 1878.

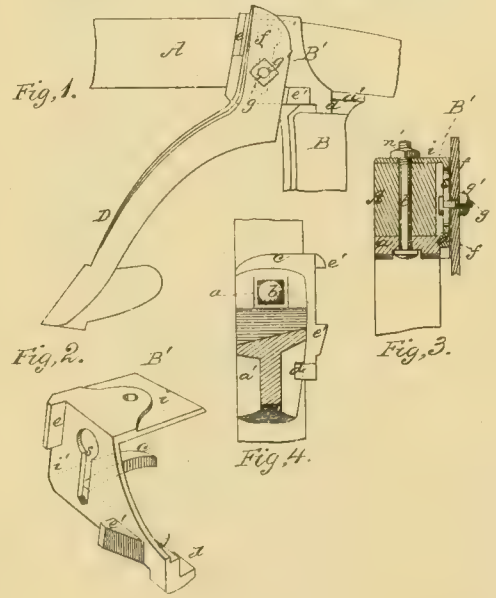


WITNESSES:
Jno. P. Brooks
Jno. D. Patten

INVENTORS:
W. A. Bolick, J. D. Bolick & J. T. Faucett,
by C. A. Snow & Co.
ATTORNEYS

W. J. WELLING.
Plow-Jointer.

No. 210,588. Patented Dec. 3, 1878.

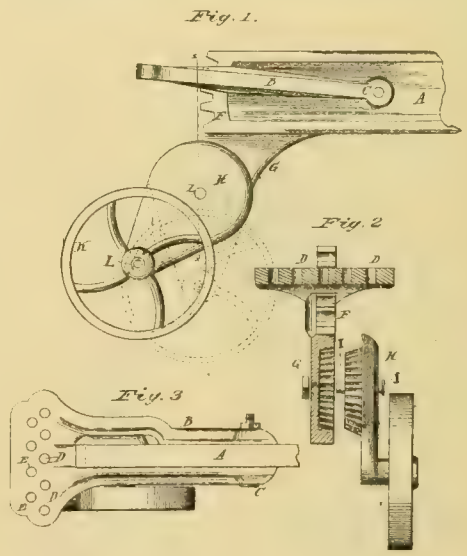


WITNESSES
L. Wm. Anderson
F. J. Mason

INVENTOR
Wm. J. Welling
by C. W. Anderson
ATTORNEY

W. H. WILDER.
Plow-Wheel Standard.

No. 212,076. Patented Feb. 4, 1879.

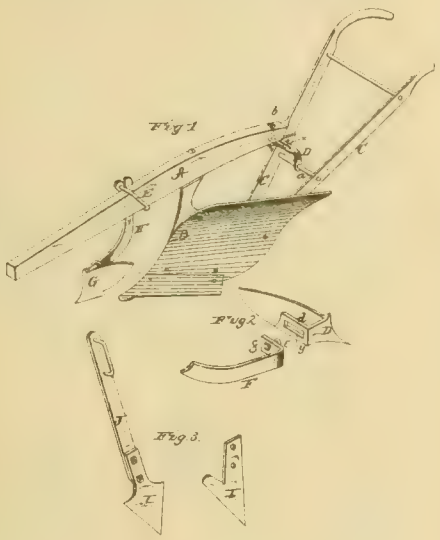


Witnesses
Fred Goulrich
J. Vanderlewis

Inventor
Wm. H. Wilder
By Daniel Breed Atty.

M. L. GIBBS.
Plow.

No. 212,209. Patented Feb. 11, 1879.



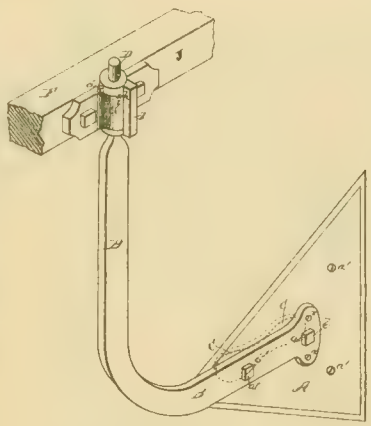
WITNESSES
F. L. Ormsby
J. J. McCarthy.

By

INVENTOR
Martin L. Gibbs
Chandler Swazey
ATTORNEYS

A. ALDRICH.
Cutter for Plows.

No. 212,419. Patented Feb. 18, 1879.

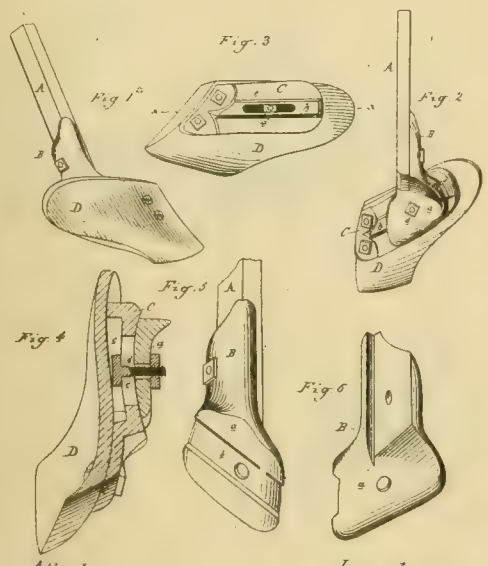


Witnesses.
H. C. McArthur
L. S. Crosby

Inventor
A. Aldrich
Per
T. Alexander Elliott
Attorneys.

A. O. BEMENT.
Plow Attachment.

No. 212,429. Patented Feb. 18, 1879.

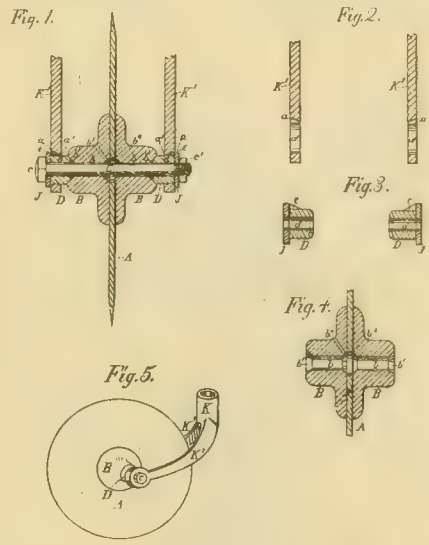


Attest.
A. Archer
Chas. H. Hand

Inventor:
A. O. Bement
By Atty
Thos. S. Sprague

J. LANE.
Wheel-Colter.

No. 213,049 Patented Mar. 11, 1879.

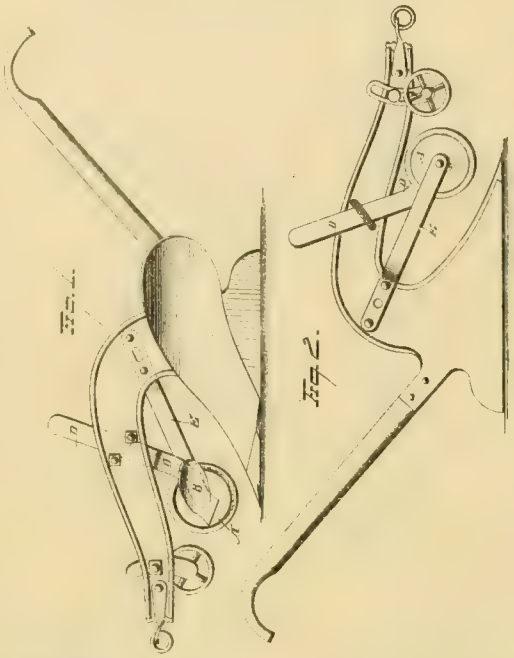


Witnesses.
W. Ottman
Harry Dewitz.

Inventor:
John Lane

G. D. LOOMIS.
Plow.

No. 213,051 Patented Mar. 11, 1879.

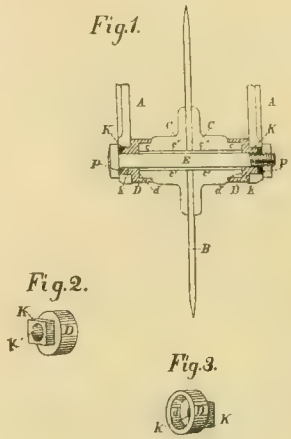


WITNESSES
E. S. Bellinghaus
A. W. Briggs

INVENTOR
Geo. D. Loomis.
By Dewey & Sargent
ATTORNEYS.

T. PATES.
Wheel-Colter.

No. 213,061 Patented Mar. 11, 1879

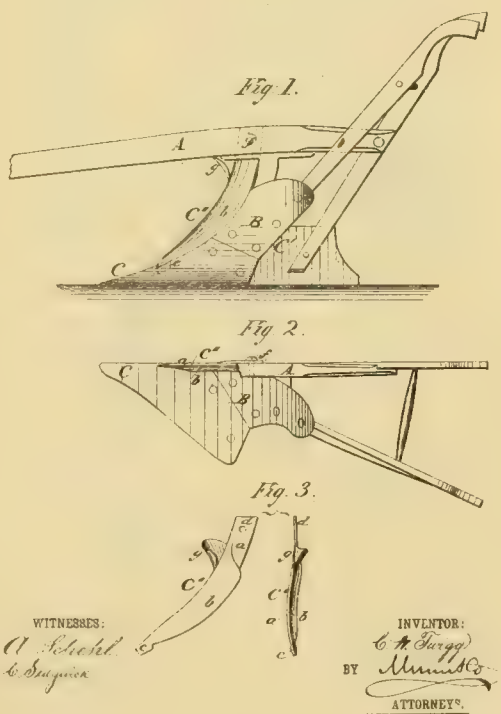


Witnesses
W. Ottman
J. A. Joseph

Inventor
Thomas Pates.

C. W. TWIGG.
Plow.

No. 213,475 Patented Mar. 18, 1879.

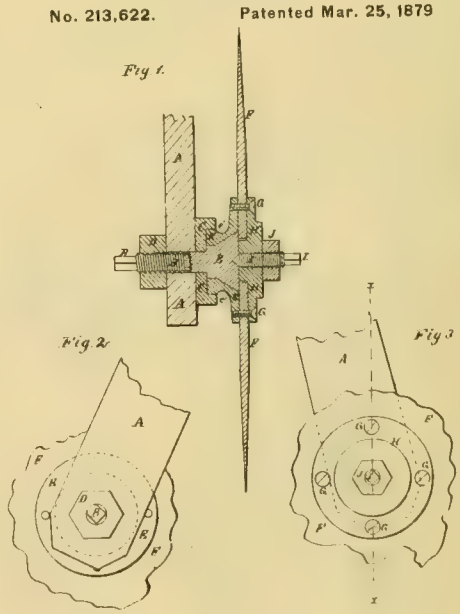


WITNESSES:
A. Schiehl
C. Sugrue

INVENTOR:
C. W. Twigg
BY Munn & Co.
ATTORNEYS.

J. CLAYTON.
Plow-Colter.

No. 213,622. Patented Mar. 25, 1879

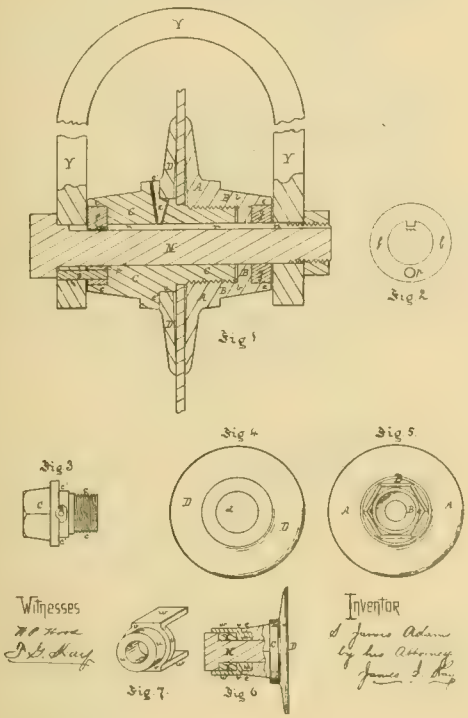


WITNESSES:
Henry R. Mueller
C. Schiehl

INVENTOR:
J. Clayton
BY Munn & Co.
ATTORNEYS.

S. J. ADAMS.
Hub for Plow-Colters.

No. 214,229 Patented April 15, 1879.

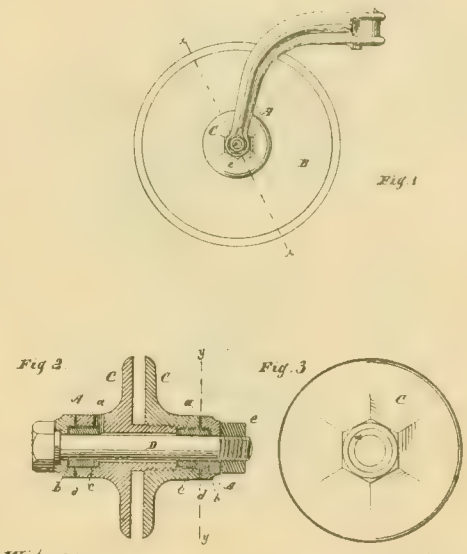


Witnesses
W. O. Hoe
D. B. Hay

Inventor
S. James Adams
by his Attorney
James J. Kay

H. T. NOBLE.
Caster-Colter.

No. 214,519. Patented April 22, 1879

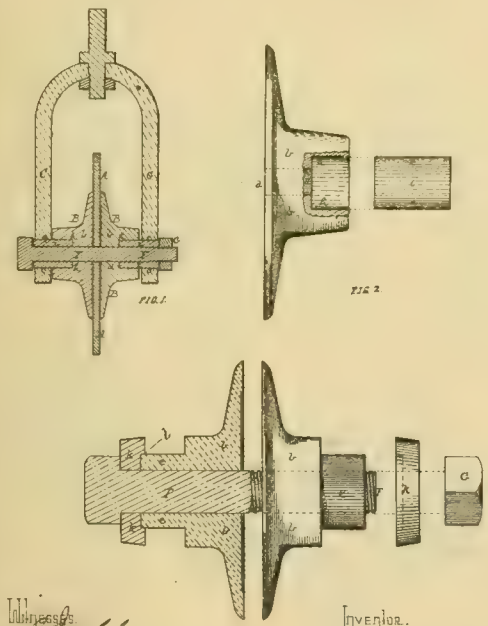


Witnesses:
H. L. Bonnell
O. W. Bond

Inventor
Henry T. Noble
By Wm. Rand Atty

C. & S. J. ADAMS.
Plow-Colter.

No. 214,864. Patented April 29, 1879.



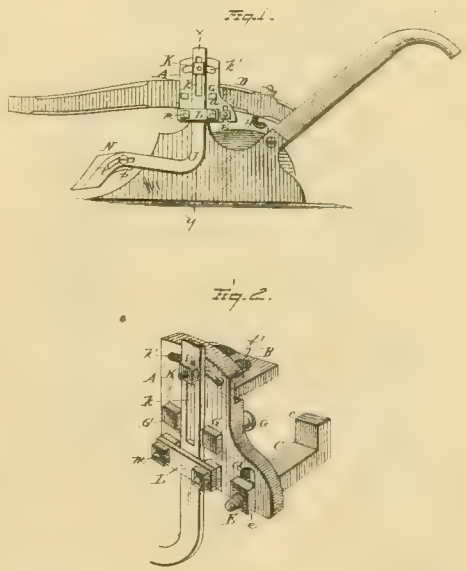
Witnesses
W. M. Elmer
Theo. F. Rodenbach

Inventor.
Sabrina Adams
S. James Adams
by James J. Kay
Attorney

2 Sheets—Sheet 1.

G. DODGE
Colter and Jointer.

No. 215,587 Patented May 20, 1879.



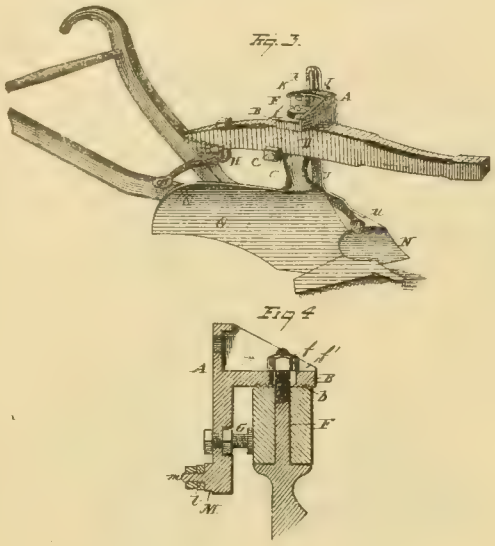
WITNESSES
E. F. Nottingham
A. M. Bright

INVENTOR
George Dodge
By Dickerson & Dickerson
ATTORNEYS.

2 Sheets -Sheet 2.

G. DODGE.
Colter and Jointer.

No. 215,587. Patented May 20, 1879.

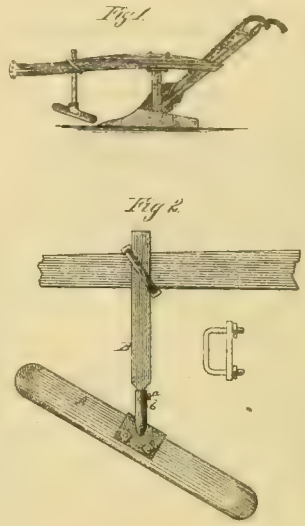


WITNESSES
E. S. Arlington
A. M. Bright

INVENTOR
George Dodge.
By Lemuel W. Serrell
ATTORNEYS

A. ALDRICH.
Colter.

No. 216,128. Patented June 3, 1879.

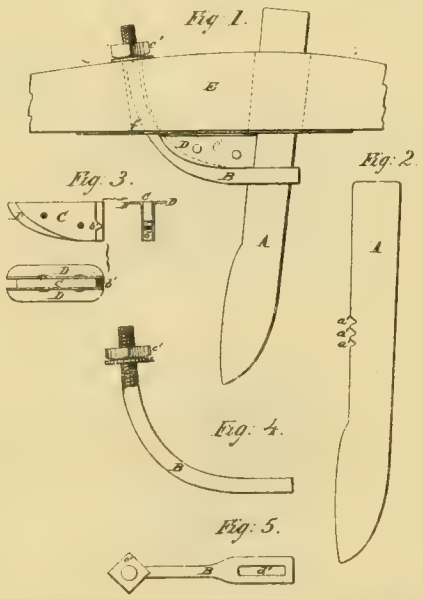


Witnesses:
W. L. McCann
John C. Rogers

Inventor
Asalel Aldrich
per
T. Alexander Elliott
Attorneys.

P. A. BAGWELL.
Colter-Fastener.

No. 217,043. Patented July 1, 1879.

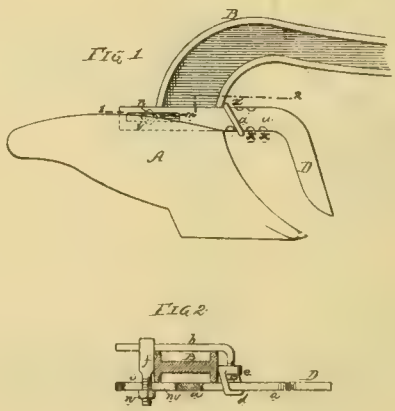


WITNESSES:
Achilles Schehl
C. Sengueca

INVENTOR:
P. A. Bagwell
BY Munn & Co
ATTORNEYS.

F. GAUNT.
Attaching Colters to Plows.

No. 217,363. Patented July 8, 1879.

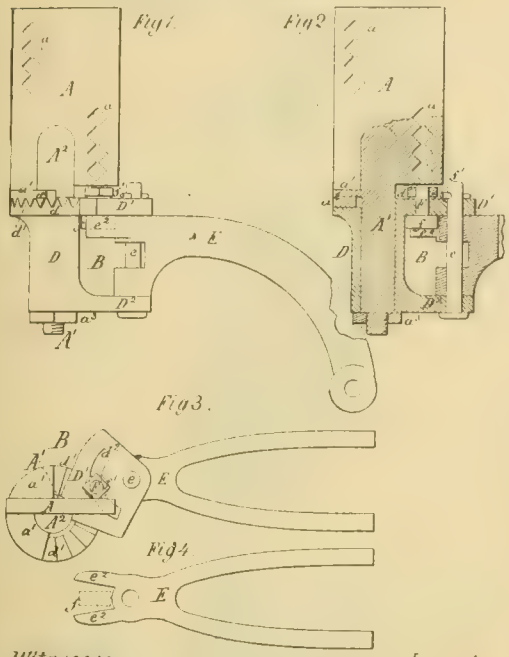


Witnesses
Harry Smith
Henry Conroy Jr.

Inventor
Fillmore Gaunt
by his Attorneys
Howson and Sons

A. H. BURLINGAME
Hanger for Plow-Colter.

No. 218,617. Patented Aug. 19, 1879.

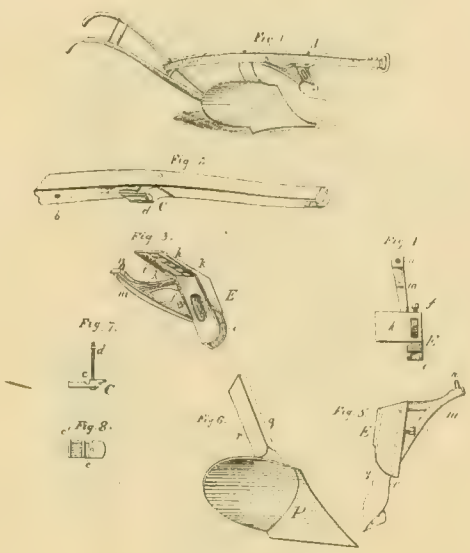


Witnesses:
J. P. Thelang
Wm. Bell Barr

Inventor
Alfred H. Burlingame
By Munn Richard & Sawyer

E. B. WHITMAN.
Colter-Holder for Plows.

No. 219,663. Patented Sept. 16, 1879.

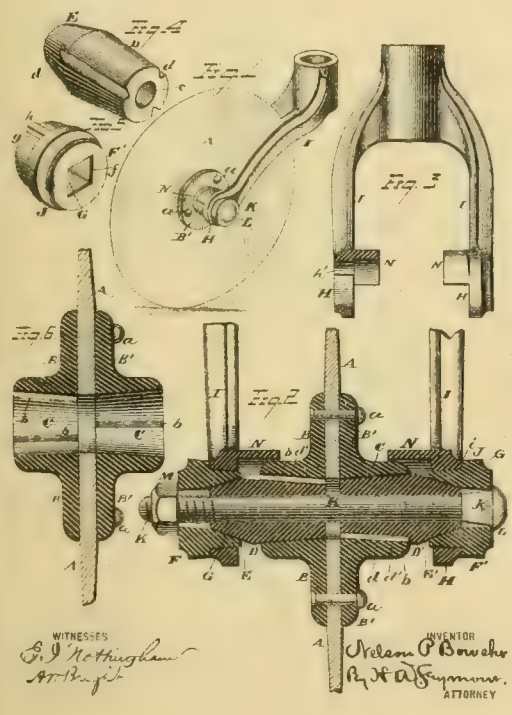


Witnesses.
Geo. H. Boyden
A. C. Carter

Inventor.
E. B. Whitman
By Geo. Ally
Chas. B. Allmon

N. P. BOWSHER.
Rolling-Colter for Plows.

No. 219,680. Patented Sept. 16, 1879.



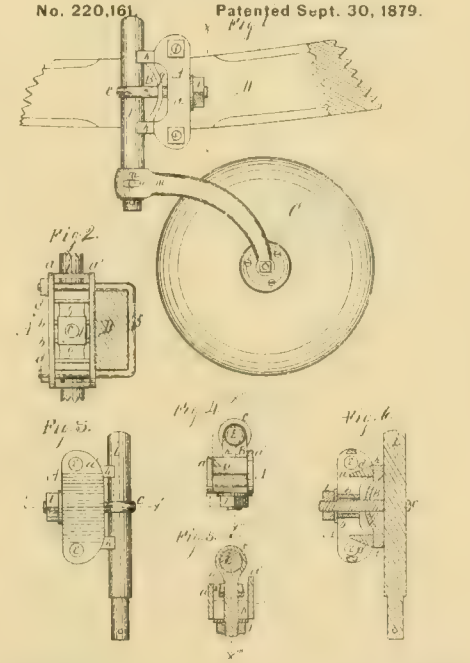
WITNESSES
E. J. Nottingham
A. T. Bright

INVENTOR
Nelson P. Bowsher
By H. A. Seymour
ATTORNEY.

2 Sheets—Sheet 1

E. W. MANWARING.
Colter.

No. 220,161. Patented Sept. 30, 1879.



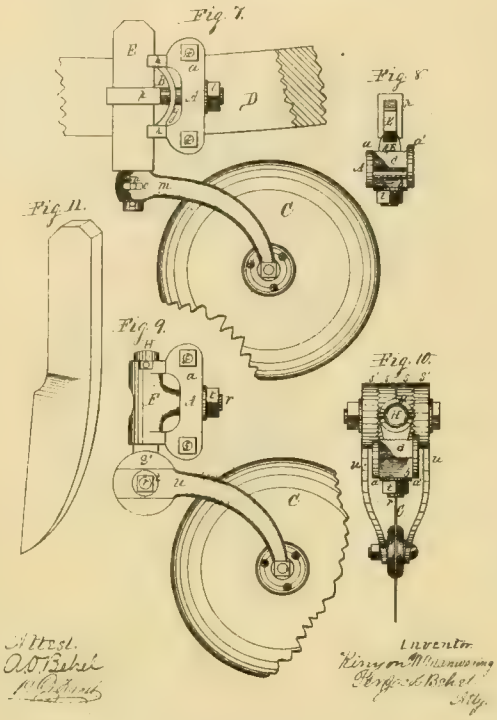
Witness
A. T. Bright

Inventor
Wagner H. Manwaring
By Geo. H. Boyden
Atty

2 Sheets—Sheet 2.

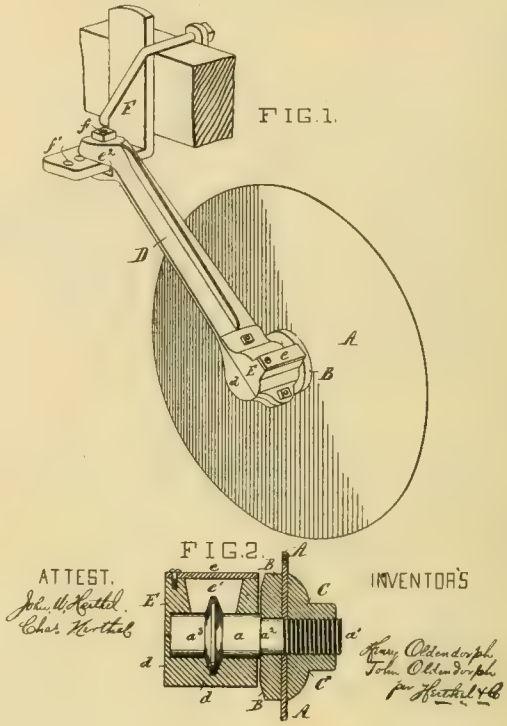
K. W. MANWARING.
Colter.

No. 220,161. Patented Sept. 30, 1879.



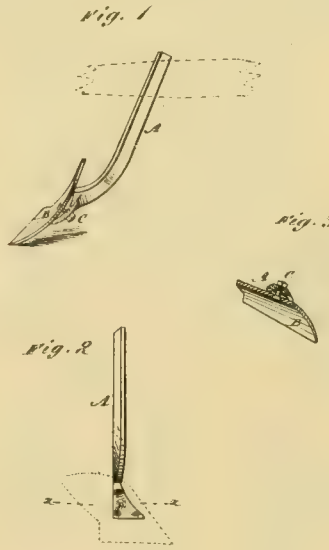
H. & J. OLDENDORPH.
Colter Attachment for Plows.

No. 220,650. Patented Oct. 14, 1879.



R. GRAVES.
Jointer for Plow.

No. 221,053. Patented Oct. 28, 1879.

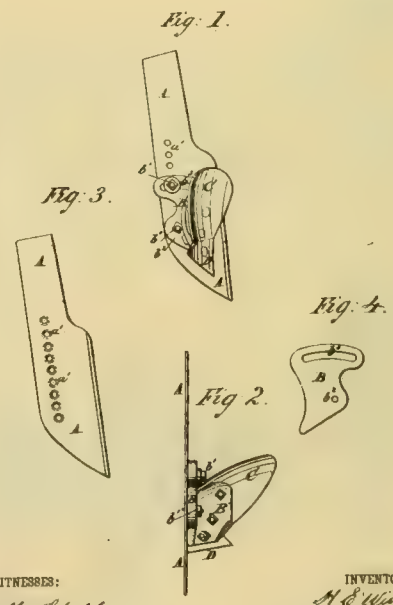


WITNESSES:
C. Neuner
T. Sedgwick

INVENTOR:
R. Graves
BY Munn & Co.
ATTORNEYS.

H. E. WISNER.
Combined Jointer and Cutter.

No. 222,113. Patented Nov. 25, 1879.



WITNESSES:
Achilles Schehl.
T. Sedgwick

INVENTOR:
H. E. Wisner
BY Munn & Co.
ATTORNEYS.

J. LANE.
Wheel-Colter.

No. 222,711 Patented Dec. 16, 1879

Fig 1.

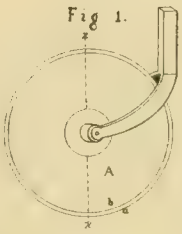


Fig. 2.

Witnesses
Frank M Wilson
E. L. Lane

Inventor,
John Lane.

J. LANE.
Rolling-Colter.

No. 223,151. Patented Dec. 30, 1879.

Fig. 1.

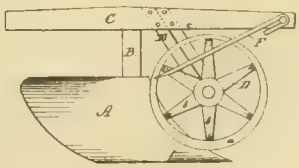


Fig. 2.

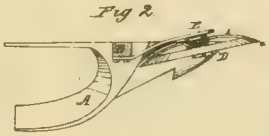


Fig. 3.

WITNESSES:
W. W. Hollingsworth
Edwd. W. Byrn.

INVENTOR:
Joseph Lane
By Munn & Co
ATTORNEYS.

E. ALLEN.
Jointer and Colter Block.

No. 223,831. Patented Jan. 27, 1880.

Fig. 1.

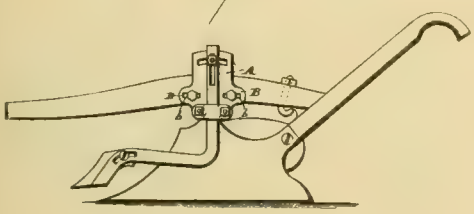


Fig. 2.

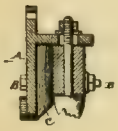


Fig. 3.

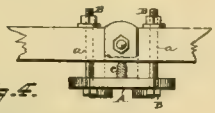
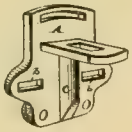


Fig. 4.



WITNESSES
E. J. Nottingham
A. T. Bright

INVENTOR
Ethan Allen.
By Dewey & Dewey.
ATTORNEYS.

J. G. GROSS.
Plow.

No. 225,053. Patented Mar. 2, 1880

Fig. 1

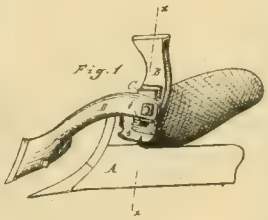


Fig. 2

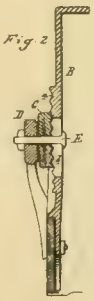
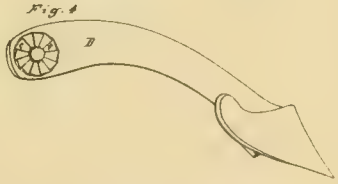


Fig. 3

Fig. 4

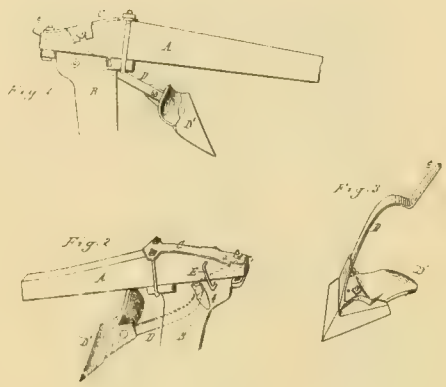


Attest:
A. Barthel
C. F. Sprague

Inventor:
John G. Gross
By Chas. S. Sprague
Atty

A. L. CHUBB.
Plow.

No. 225,342. Patented Mar. 9, 1880.

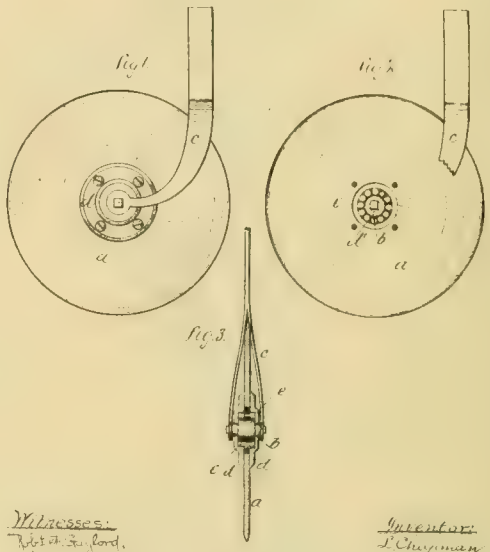


Attest:
A. Smithell
E. P. Sprague

Inventor:
A. L. Chubb
By his Atty
Thos. S. Sprague

L. CHAPMAN.
Rolling-Colter.

No. 225,743. Patented Mar. 23, 1880.

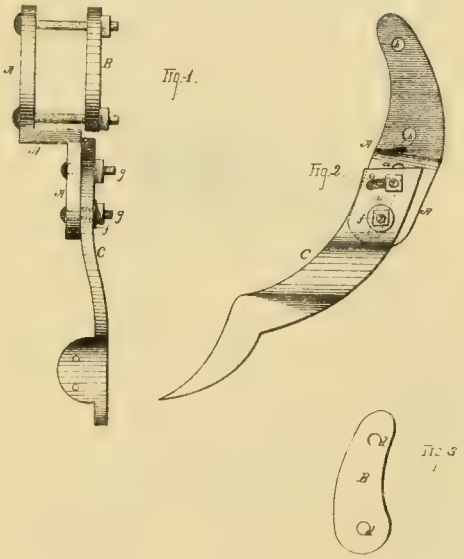


Witnesses:
Robt. A. Fulford.
A. Donald Smith

Inventor:
L. Chapman
By W. E. Simonds
Atty

A. ADDAMS.
Plow.

No. 226,148 Patented April 6, 1880.

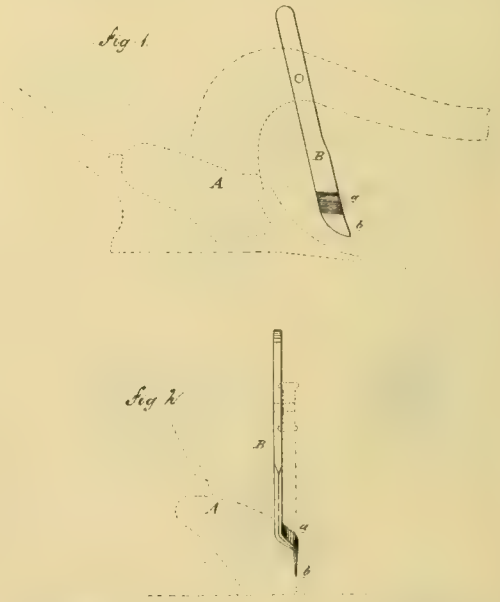


Witnesses:
Chas. Dill
W. M. Reilly

Inventor:
Austin Addams
By his Atty
C. A. Snow & Co.

S. HUBER.
Plow-Colter.

No. 226,316. Patented April 6, 1880.

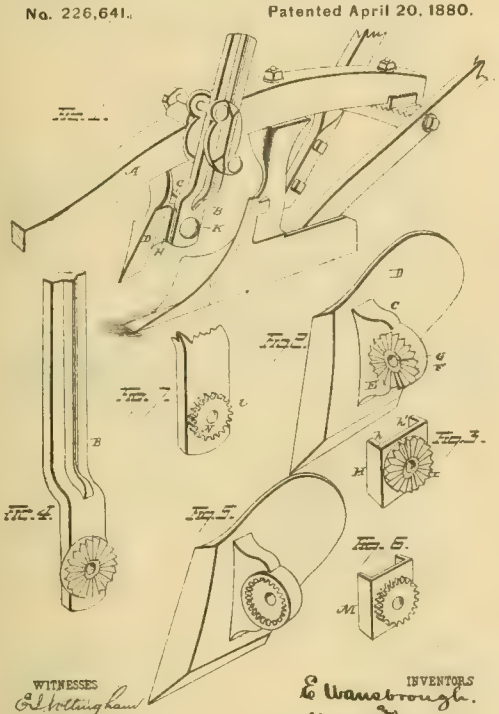


Witnesses:
Chas. Nida
A. Sedgwick

Inventor:
S. Huber
By Munn & Co.
Attorneys.

E. WANSBROUGH & W. W. SPEER.
Plow.

No. 226,641. Patented April 20, 1880.



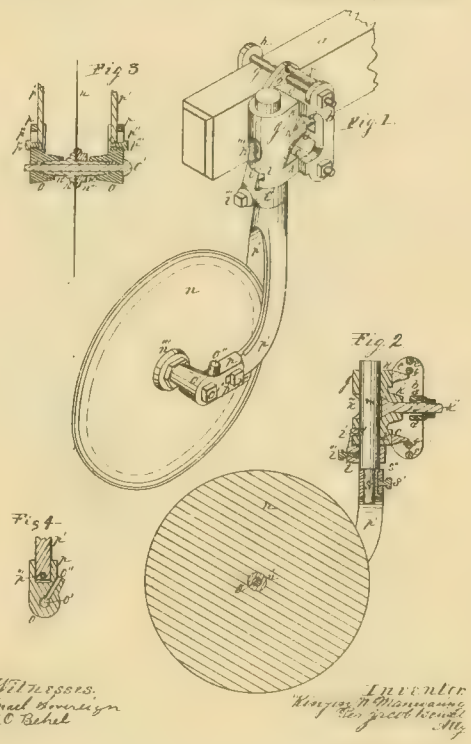
WITNESSES
E. L. Bellingham
Geo. A. Seymour

INVENTORS
E. Wansbrough.
W. W. Speer.
B. Sargent & Sargent, ATTORNEYS.

(No Model.)

K. W. MANWARING.
Colter.

No. 227,373. Patented May 11, 1880.

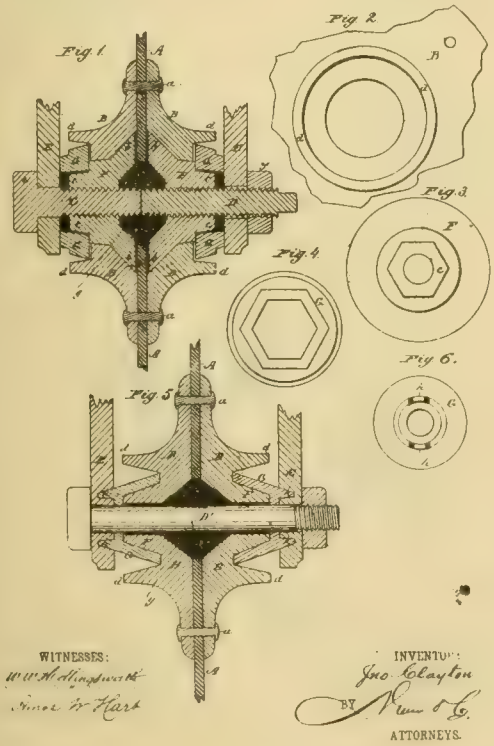


Witnesses.
Israel Sovereign
A. C. Bebel

Inventor
Kinzer W. Manwaring
Per Geo. H. Knight
Atty.

J. CLAYTON.
Colter.

No. 229,381. Patented June 29, 1880.



WITNESSES:
W. W. H. Wingfield
Jno. W. Hart

INVENTOR:
Jno. Clayton
BY Munn & Co.
ATTORNEYS.

A. J. MANNY.
Rotary Colter.

No. 230,883. Patented Aug. 10, 1880.

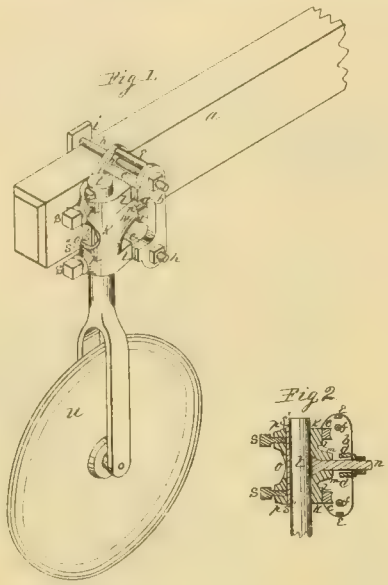
WITNESSES
Geo. H. Knight
Walter Allen

INVENTOR
Abraham J. Manny
By Knight Bros.
Attys.

(No Model.)

K. W. MANWARING.
Colter Attachment.

No. 231,074. Patented Aug. 10, 1880.



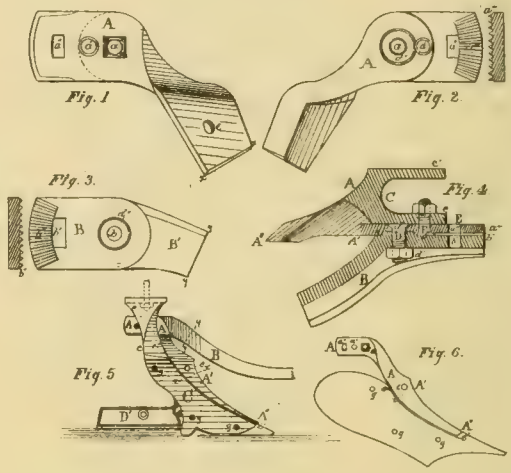
Witnesses.
Saml Sloverson
A B Bebel

Inventor
Kinyon W. Manwaring
Per Jacob Bebel
Atty

(No Model.)

L. MILLER & H. LIGHTHALL.
Plow.

No. 231,441. Patented Aug. 24, 1880.



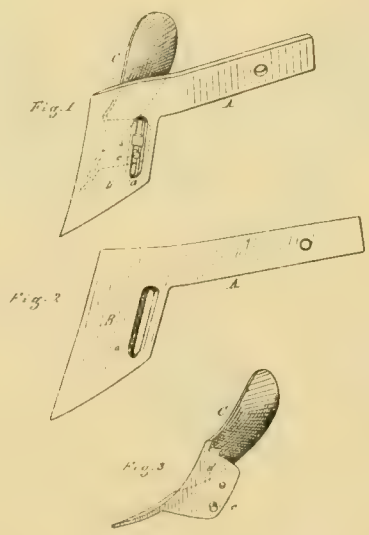
Witnesses
Chas B. R. Cotsage
H. P. Edwards

Inventors
Lathon Miller
Hiram Lighthall
Wm R. Singleton
Atty

(No Model.)

A. C. SCHRAM.
Combined Colter and Jointer.

No. 232,370. Patented Sept. 21, 1880.

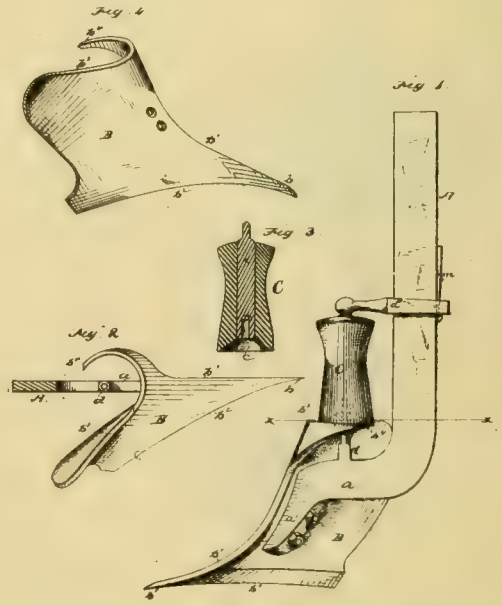


Attest:
A. Murphee
Wm S. Lee

Inventor:
A. C. Schram
By Atty
Wm S. Sprague

G. G. NOTT.
Colter.

No. 233,793. Patented Oct. 26, 1880.



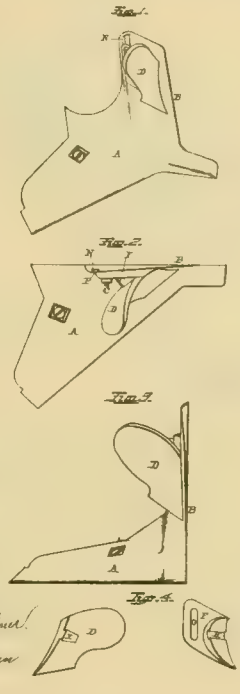
Attest.
W. H. Knight
W. Blackstock

Inventor
Gardner G. Nott
By L. Hart
Atty

(No Model.)

H. A. CURRIER.
Jointer for Plow.

No. 234,251 Patented Nov. 9, 1880.



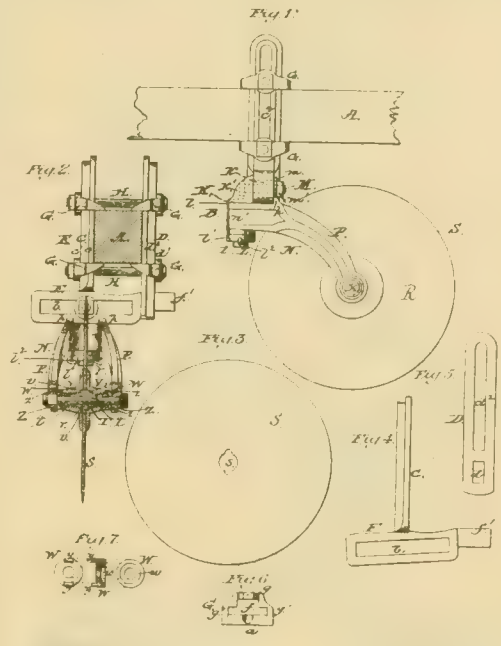
Witnesses
W. H. Mortimer
A. C. Richardson

Inventor
H. A. Currier
per
F. A. Lehmann,
Atty.

(Model.)

C. R. HARTMAN.
Colter.

No. 238,115. Patented Feb. 22, 1881.



WITNESSES
John A. Wells
Philip Allmai

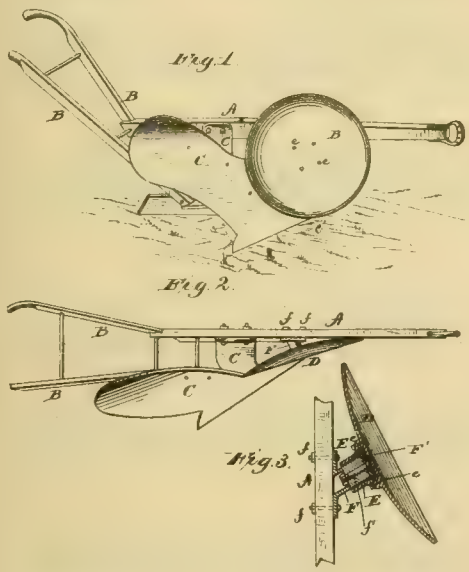
By his Attorneys

INVENTOR
Charles R. Hartman
Anderson & Smith

(Model.)

G. B. ST. JOHN.
Plow.

No. 241,086. Patented May 3, 1881.

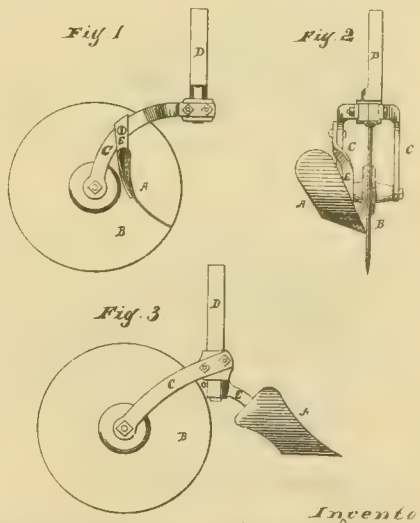


Witnesses.
Deane L. Ouvand
George Howell

Inventor
Garland B. St. John.
By L. Deane
his Atty.

B. C. BRADLEY.
Caster Colter and Jointer.

No. 243,102. Patented June 21, 1881.



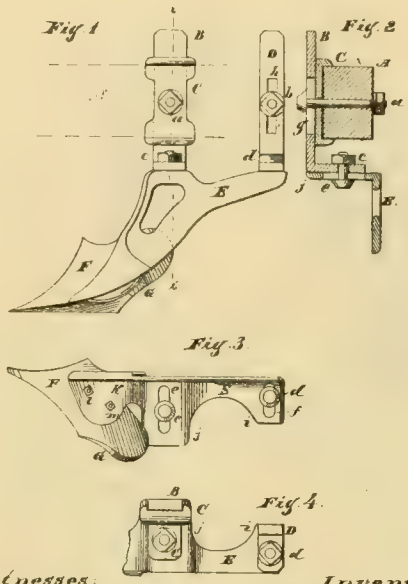
Witnesses
H. W. Murphy.
E. T. Bond

Inventor:
Byron C. Bradley
By West & Bond
Attys.

(No Model.)

C. A. HAGUE.
Jointer.

No. 243,124. Patented June 21, 1881.



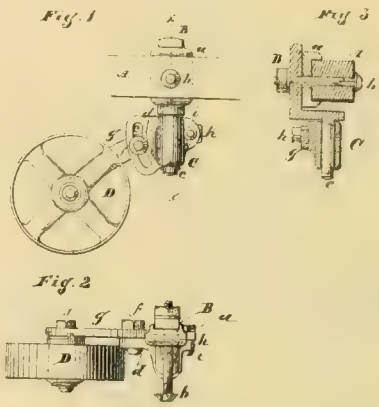
Witnesses:
Albert H. Adams
Henri T. Bruns

Inventor:
Charles A. Hague
By Wright & Bond
His Attys.

(No Model.)

C. A. HAGUE.
Caster Gage Wheel.

No. 243,126. Patented June 21, 1881.



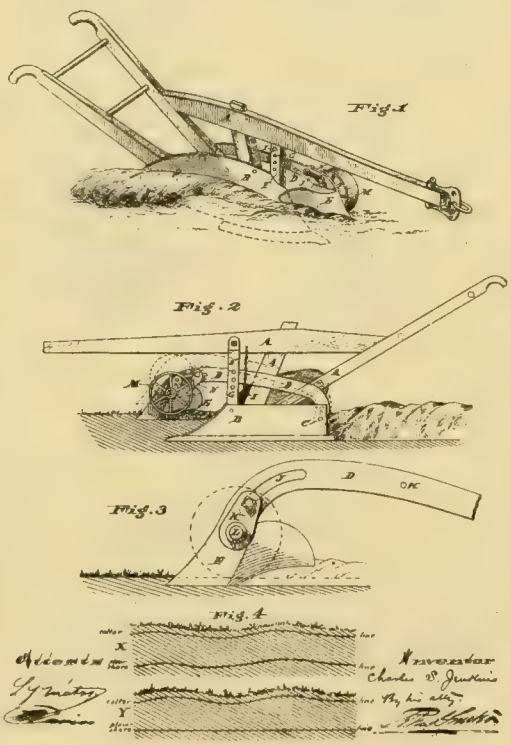
Witnesses
Albert H. Adams
Henri T. Bruns

Inventor:
Charles A. Hague
By Wright & Bond
His Attys.

(No Model.) 2 Sheets—Sheet 1

C. S. JENKINS.
Plow.

No. 243,138. Patented June 21, 1881.

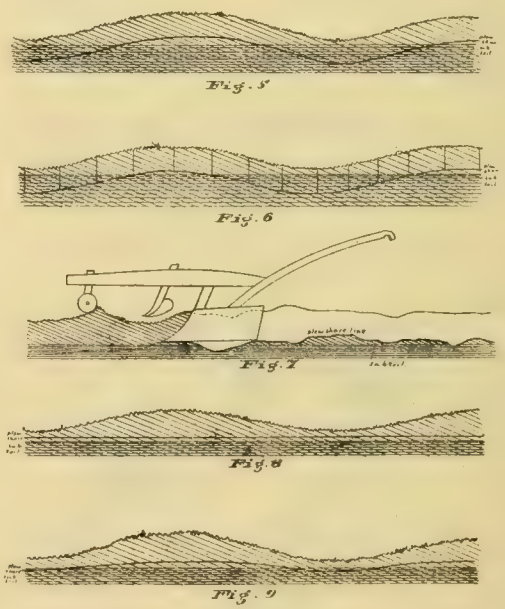


Witnesses
Inventor
Charles S. Jenkins
By his atty

(No Model.) 2 Sheets—Sheet 2

C. S. JENKINS.
Plow.

No. 243,138. Patented June 21, 1881.



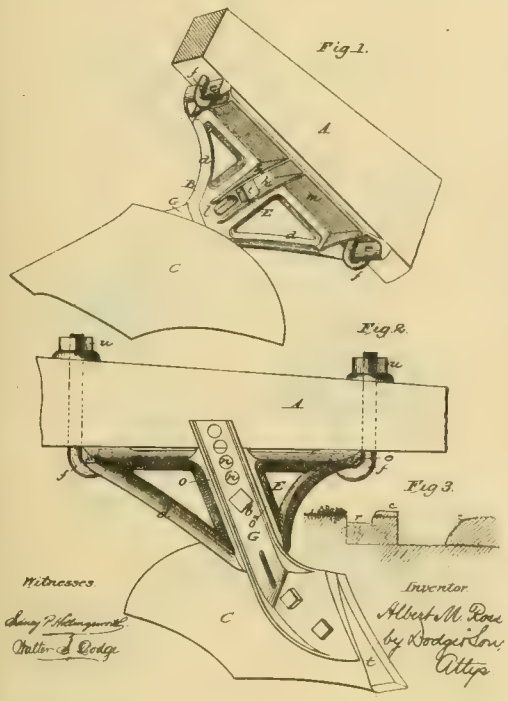
Witnesses
Inventor
Charles S. Jenkins
By his atty

(No Model.)

A. M. ROSS.

JOINTER PLOW.

No. 243,799. Patented July 5, 1881.

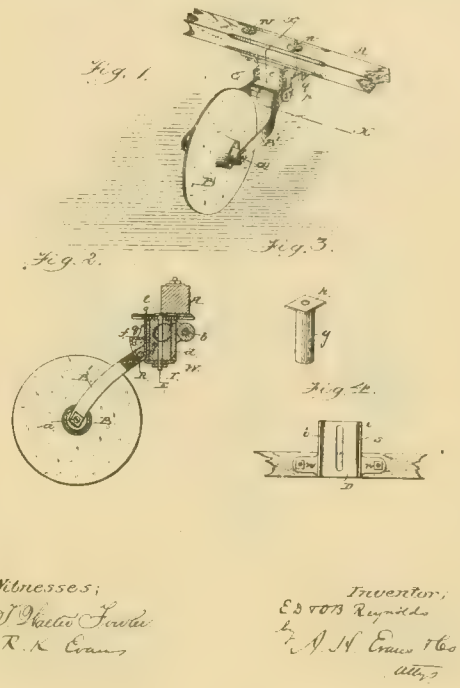


(Model.)

E. D. & O. B. REYNOLDS.

ROLLING CUTTER FOR PLOWS.

No. 246,557. Patented Aug. 30, 1881.

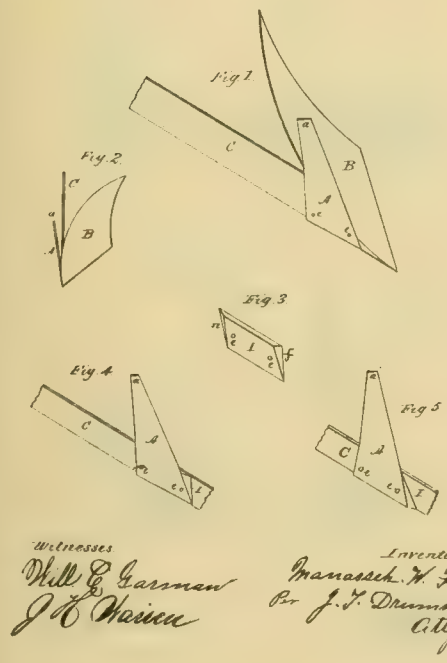


(No Model.)

M. W. FARBER.

PLOW CUTTER.

No. 250,139. Patented Nov. 29, 1881.

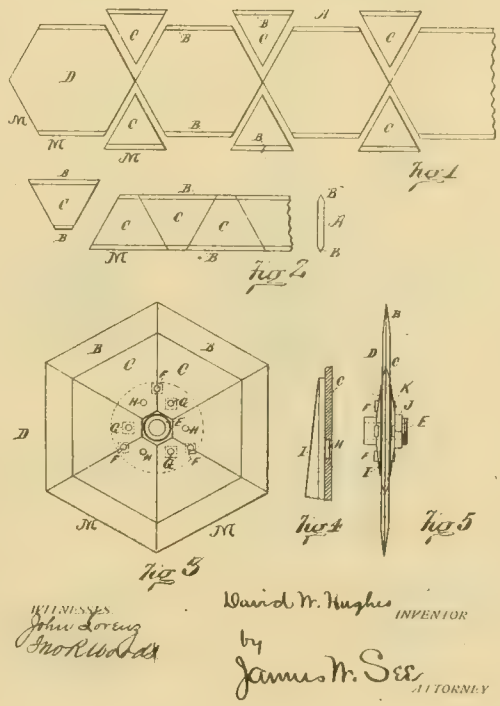


(No Model.)

D. W. HUGHES.

ROLLING COLTER.

No. 250,249. Patented Nov. 29, 1881.

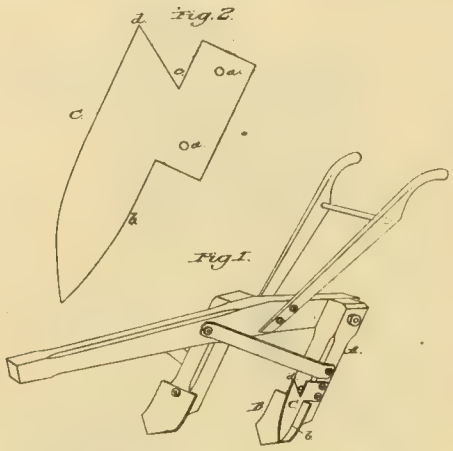


(Model.)

A. J. KERSH.

PLOW COLTER.

No. 251,602. Patented Dec. 27, 1881.



WITNESSES
Willett Anderson.
Philip L. Masi.

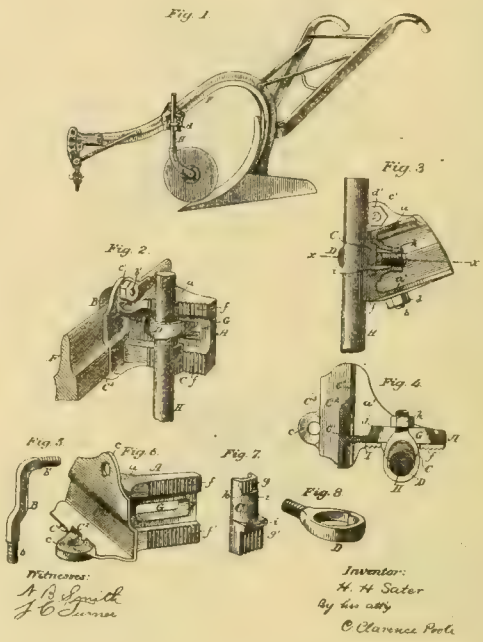
INVENTOR
Abm J. Kersh
by Anderson & Smith
his ATTORNEYS

(No Model.)

H. H. SATER.

DEVICE FOR ATTACHING ROLLER COLTERS TO PLOWS.

No. 252,902. Patented Jan. 31, 1882.



Witnesses:
A. B. Smith
J. C. Turner

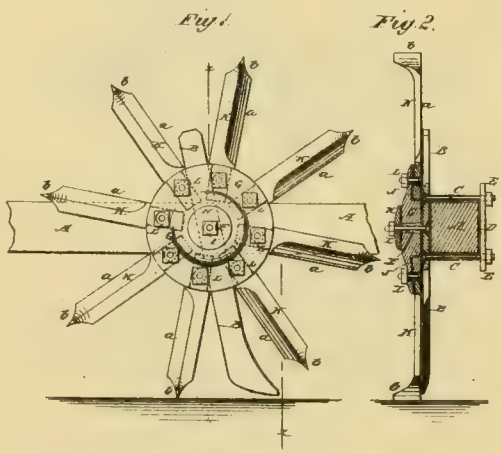
Inventor:
H. H. Sater
By his atty
C. Clarence Poole

(Model.)

A. A. KELLOGG.

STALK CUTTER.

No. 254,334. Patented Feb. 28, 1882.



WITNESSES:
Thomas McArdle
C. Sedgwick

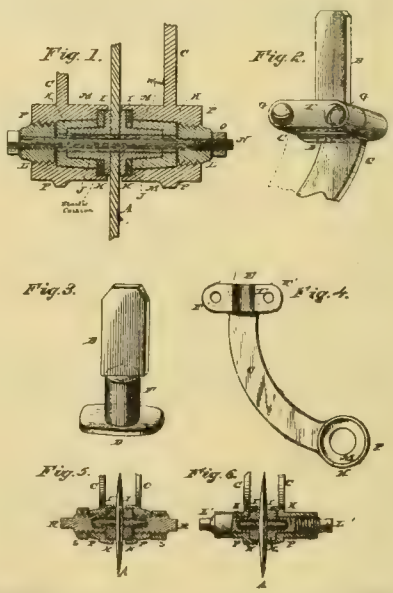
INVENTOR:
A. A. Kellogg
BY Munn & Co
ATTORNEYS.

(No Model.)

F. B. HUNT.

ROLLING COLTER.

No. 255,081. Patented Mar. 14, 1882.



WITNESSES
Chas. L. Dietrich
P. C. Dietrich

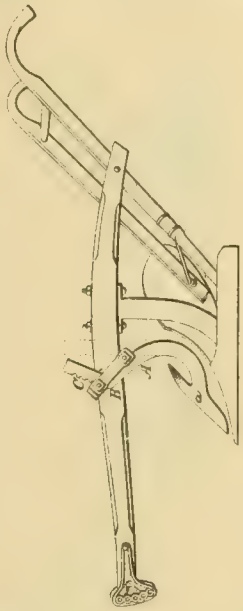
INVENTOR
Franklin B. Hunt

(Model.)

M. A. SPINK.

PLOW COLTER.

No. 256,250. Patented Apr. 11, 1882.



WITNESSES:

Daniel Weis

Edwin F. Casnell

INVENTOR

Morris A. Spink

BY

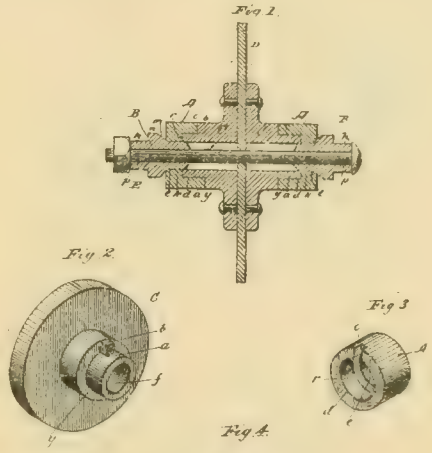
ATTORNEY

(No Model.)

W. B. YOUNG.

WHEEL COLTER.

No. 256,941. Patented Apr. 25, 1882.



Witnesses

H. B. Hobart

M. E. Lane

Inventor:

William B. Young

by John Lane

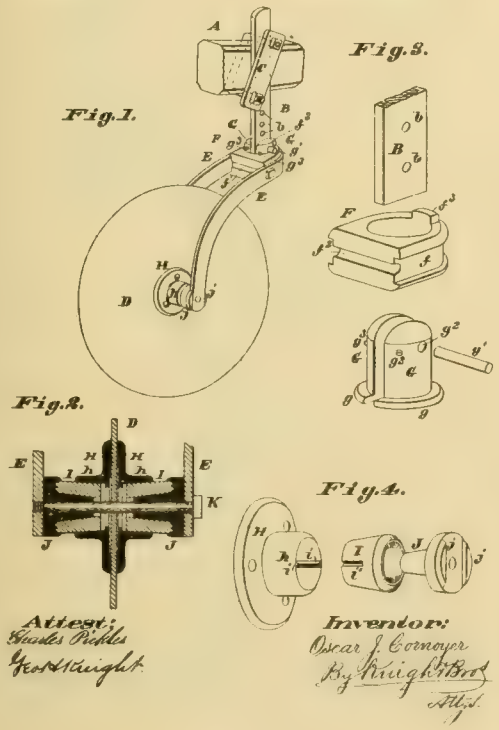
his Atty.

(No Model.)

O. J. CORNOYER.

ROTARY COLTER.

No. 257,662. Patented May 9, 1882.



Attest:

Charles Priddle

Geo. H. Knight

Inventor:

Oscar J. Cornoyer

By Knight Bros

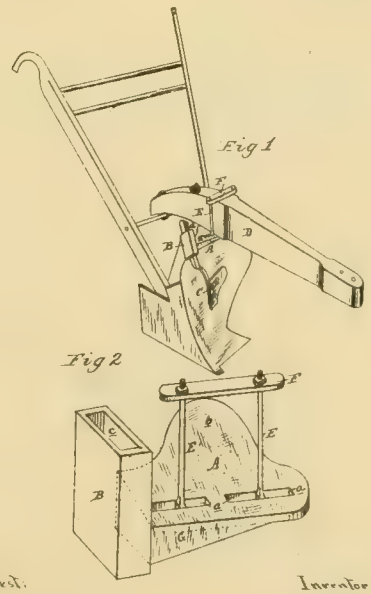
Atty.

(No Model.)

P. KETTENRING.

PLOW ATTACHMENT.

No. 259,317. Patented June 13, 1882.



Attest.

E. Scully.

A. B. Sprague

Inventor

Peter Kettenring

By Thos. S. Sprague

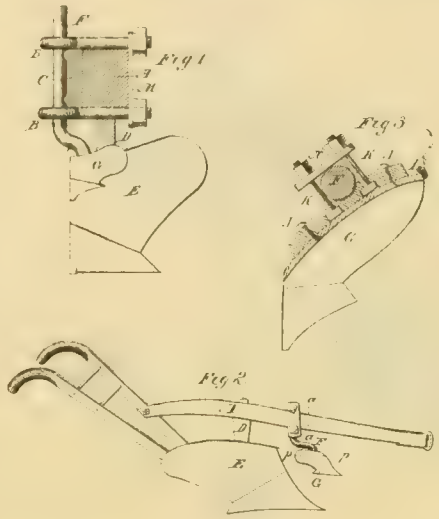
Atty.

(No Model.)

H. HUNTSMAN

PLOW JOINTER.

No. 259,861. Patented June 20, 1882



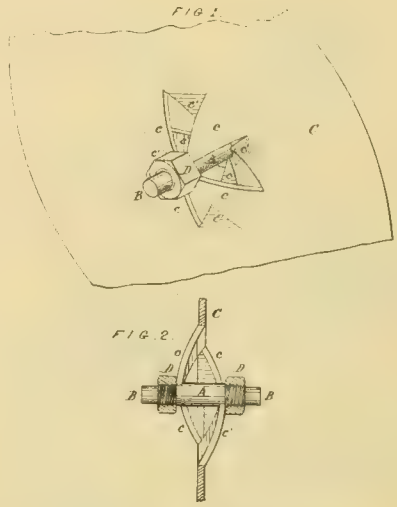
Witnesses
Frank Pohman
Albert E. Redstone

Inventor
Horace Huntsman
per John H. Kidson
Atty.

A. J. MANNY.

ROTARY COLTER.

No. 262,446. Patented Aug. 8, 1882.



WITNESSES
Geo. H. Vaughn
Walter Allen

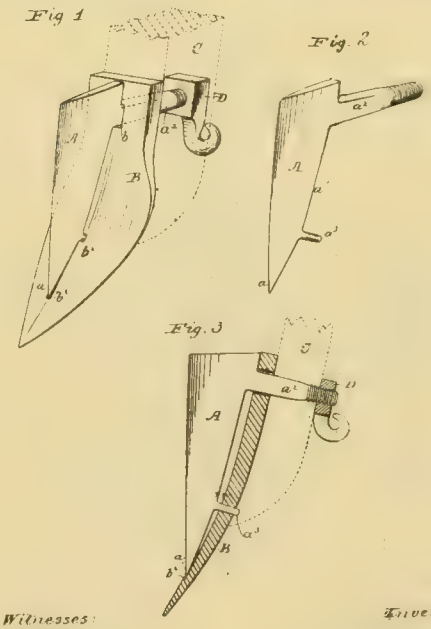
INVENTOR
Abraham J. Manny
By Vaughn & Bro.
Attys.

(No Model.)

C. C. VINCENT.

PLOW COLTER.

No. 263,079. Patented Aug. 22, 1882.



Witnesses:
W. B. Masson
C. C. Shepherd

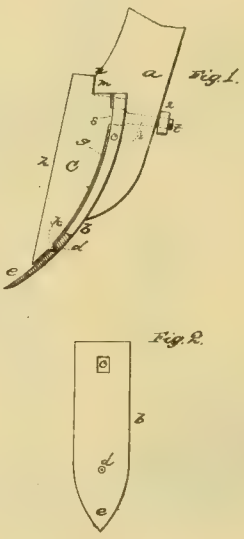
Inventor
Comm C. Vincent
by E. B. Masson
atty.

(No Model.)

T. F. CAPEHART.

COLTER.

No. 263,112. Patented Aug. 22, 1882.



WITNESSES
E. H. Bates
Philip L. Mason

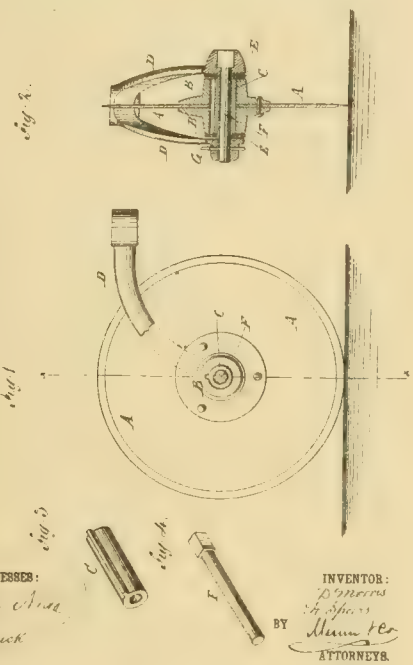
INVENTOR
T. F. Capehart
by Underwood & Co.
Attorneys

(No Model.)

D. MORRIS & H. SPEIRS.

PLOW COLTER.

No. 263,941. Patented Sept. 5, 1882.



WITNESSES:

INVENTOR:

BY Munn & Co.

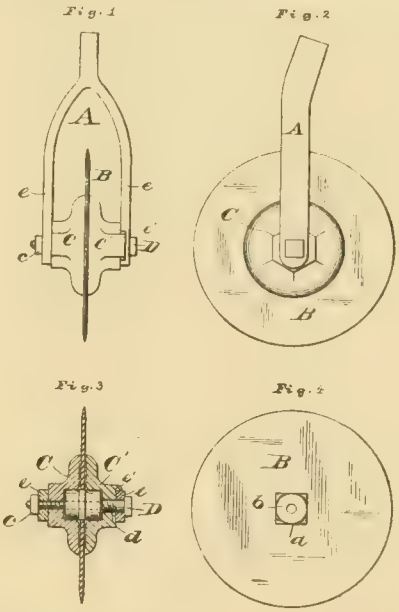
ATTORNEYS.

(No Model.)

R. KLOSS.

ROLLING COLTER.

No. 264,307. Patented Sept. 12, 1882.



Attest

Inventor

Robert Kloss

BY

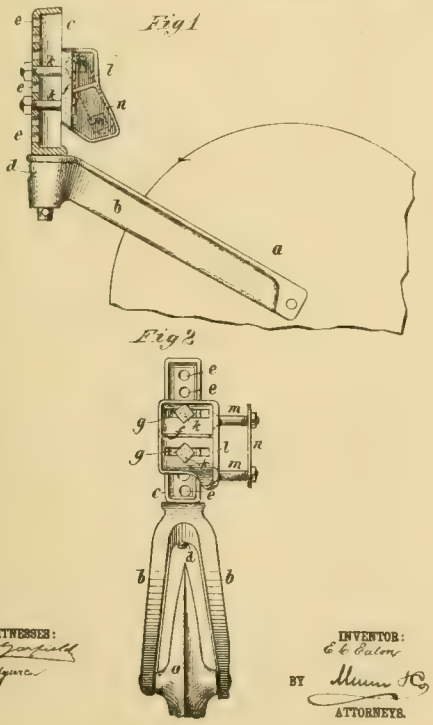
Attorney

(No Model.)

E. C. EATON.

COLTER FASTENER.

No. 267,846. Patented Nov. 21, 1882.



WITNESSES:

INVENTOR:

BY Munn & Co.

ATTORNEYS.

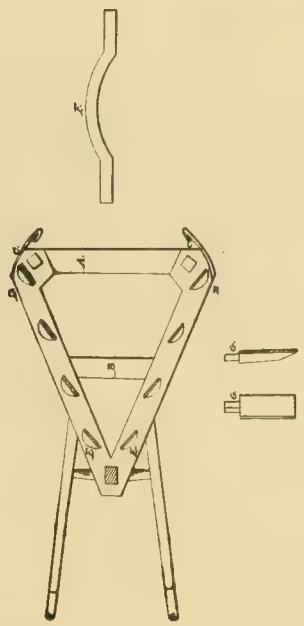
CORN-COVERERS.

	Plate	*Claim*		*Plate*	*Claim*		*Plate*	*Claim*
Baker, D. C.	187	112	Haynie, J. D.	184	111	Moore, J. A.	186	112
Bennett, H. L.	183	111	Herbert, W. and C. T.	188	113	Roberts, W.	183	111
Bryan, J. P.	183	111	McChesney, T. B.	187	112	Smeltzer, D. B. D.	187	112
Combs, A. J.	184	111	Marcus, T.	183	111	Swart, J.	185	111
Dietz, F.	186	112	Metz, S. P. and			Weygandt, D.	185	112
Grant, W. H.	186	112	Rohrer, M.	184	111	Whitford, L.	186	112
Hardesty, B. T.	184	111	Monroe, I. N.	185	112			

J. P. Bryan.

Corn Coverer.

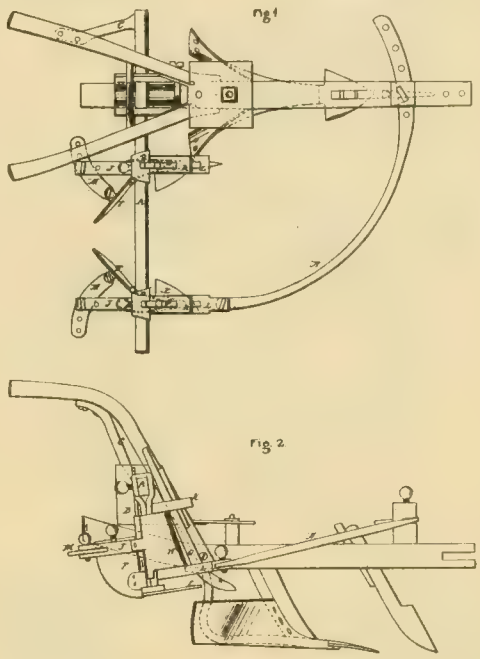
No. 3,151. Patented Jan. 24, 1843.



T. Marcus,

Corn Coverer.

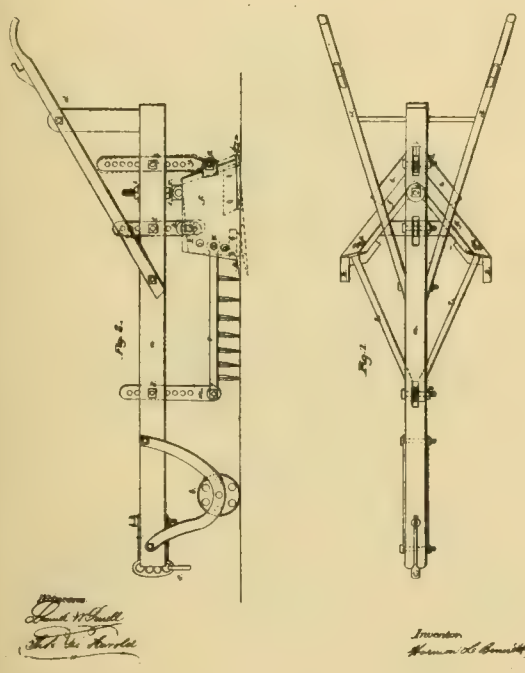
No. 18,766. Patented Dec. 1, 1857.



H. L. Bennett.

Corn Coverer

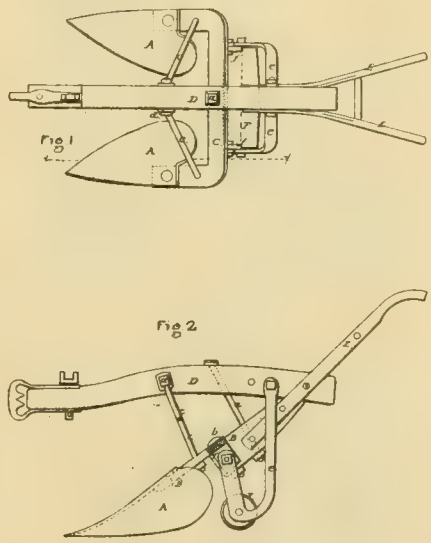
No. 29,351 Patented Jul. 31, 1860.



W. Roberts.

Corn Coverer.

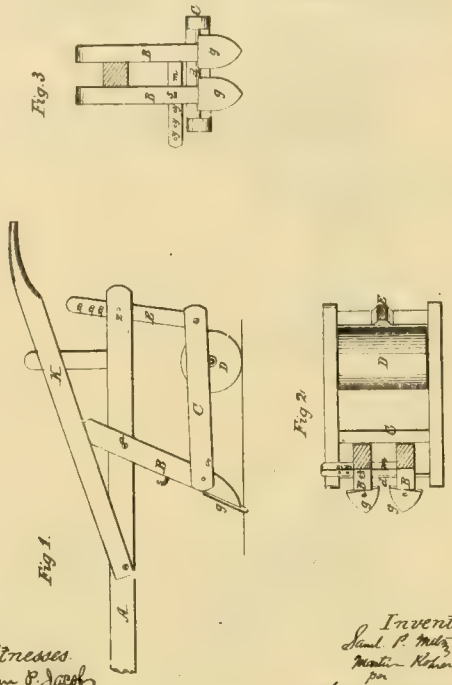
No. 126,31,130. Patented Jan. 15, 1861



Metz & Rohrer.

Corn Coverer.

No. 58,277. Patented Sep. 26, 1866.



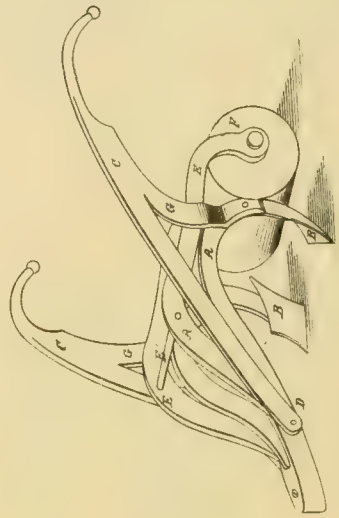
Witnesses.
John P. Jacob
Charles Alexander

Inventors
Saml. P. Metz
Martin Rohrer.
per
Alexander H. Mason

A. J. COMBS.

Corn-Coverer

No. 68,329. Patented Aug. 27, 1867.



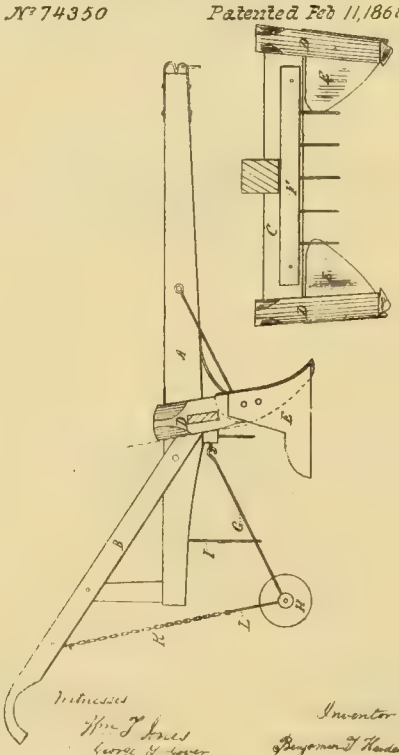
Witnesses:
Chas. D. Smith
J. E. W. Bowen

Inventor
A. J. Combs
by Knight Bros
Attorneys

B. T. Hardesty.

Tobacco-Hill Preparer.

No. 74350 Patented Feb 11, 1868



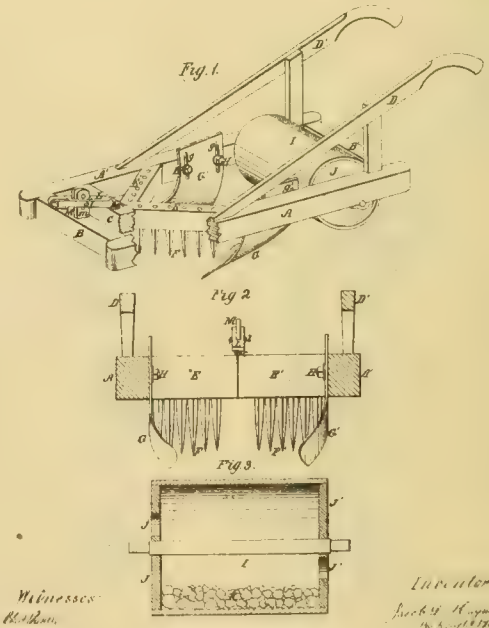
Witnesses
Wm. J. Jones
George J. Grover

Inventor
Benjamin T. Hardesty

J. D. Haynie.

Corn Coverer.

No. 78,665. Patented Jun. 9 1868.



Witnesses:
C. H. Ham
Chas. H. Keyman

Inventor.
Jacob D. Haynie
by Knight Bros
Atty's

J. Swart. Sheet 2 Sheet

Corn Coverer

No. 80,688 Patented Aug. 4, 1868

Fig. 1

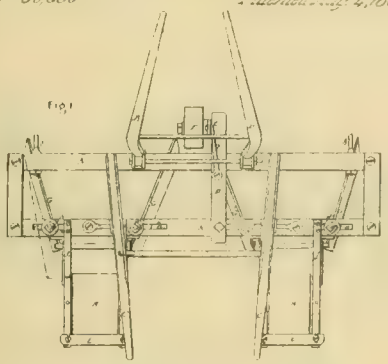
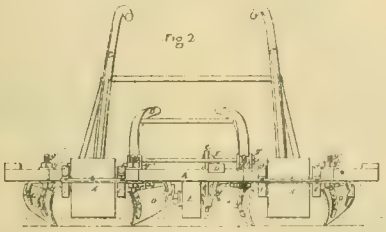


Fig. 2



Witnesses

Inventor

James Swart

J. SWART.

2 Sheets—Sheet 2.

Corn and Potato Coverer.

No. 80,680. Patented Aug. 4, 1868.

Fig 3

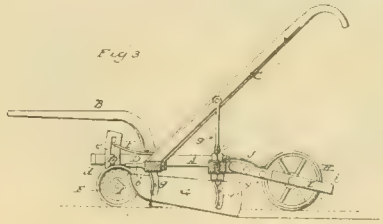
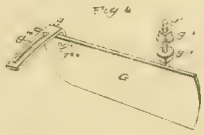


Fig 4



Witnesses

Inventor.

James Swart

I N MONROE

Corn Coverer

No. 108,717 Patented Oct. 25 1870.

Fig 1

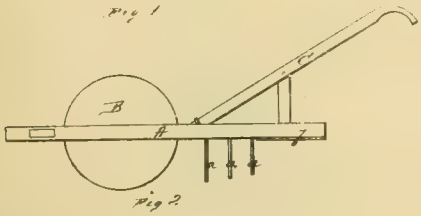
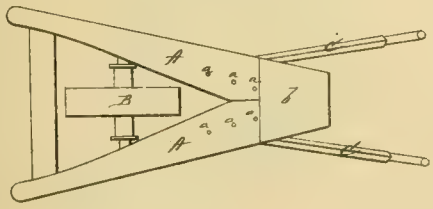


Fig 2



Witnesses

Inventor

Isaac N. Monroe

DAVID WEYGANDT.

Improvement in Corn-Coverer.

No. 127,534. Patented June 4, 1872.

Fig. 1.

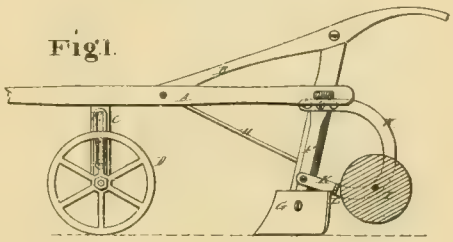
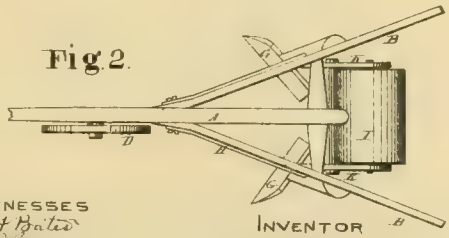


Fig. 2.



WITNESSES

INVENTOR

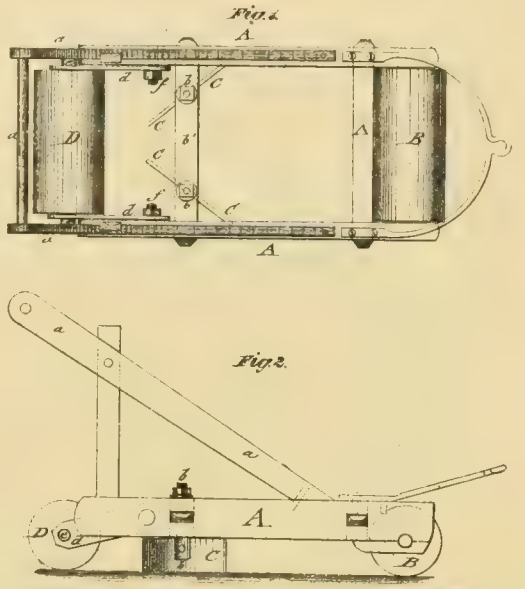
David Weygandt.

Attorneys

J. A. MOORE.

Corn-Coverers.

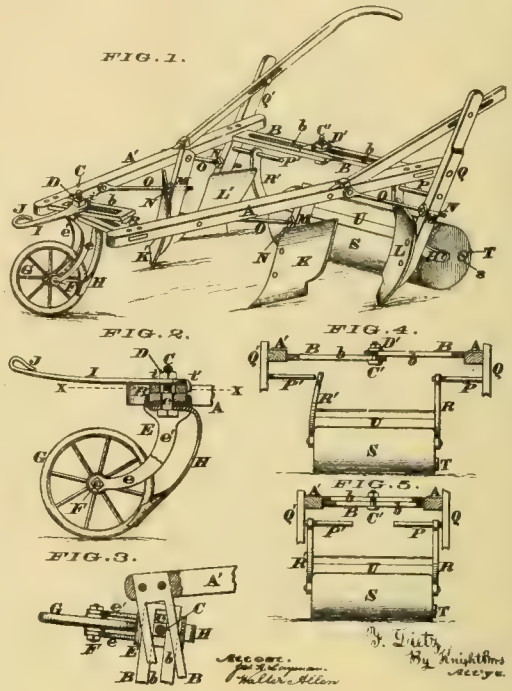
No. 144,918. Patented Nov. 25, 1873.



F. DIETZ.

Corn and Potato Coverers.

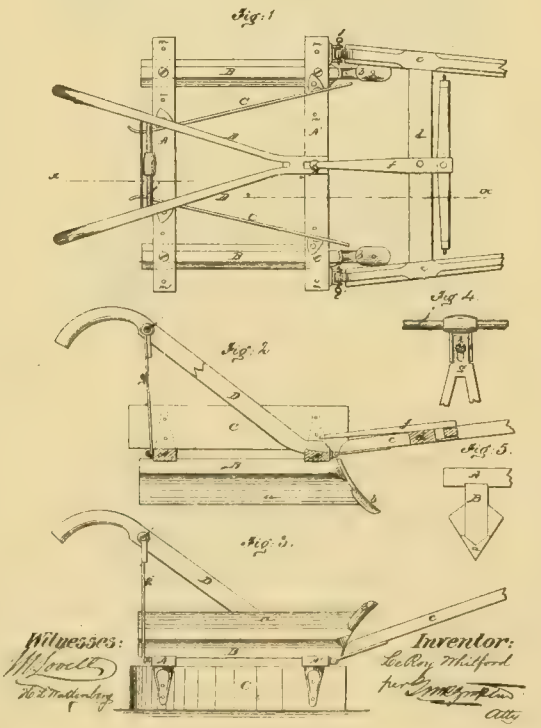
No. 151,104. Patented May 19, 1874.



Le R. WHITFORD.

Potato-Coverers.

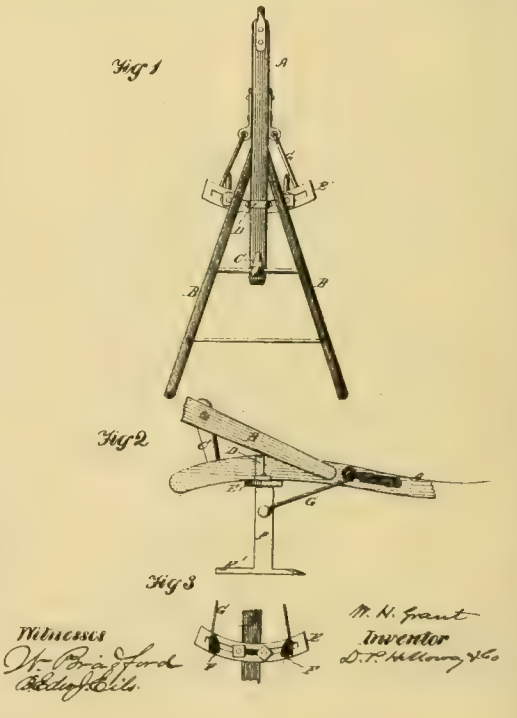
No. 153,793 Patented Aug. 4, 1874.



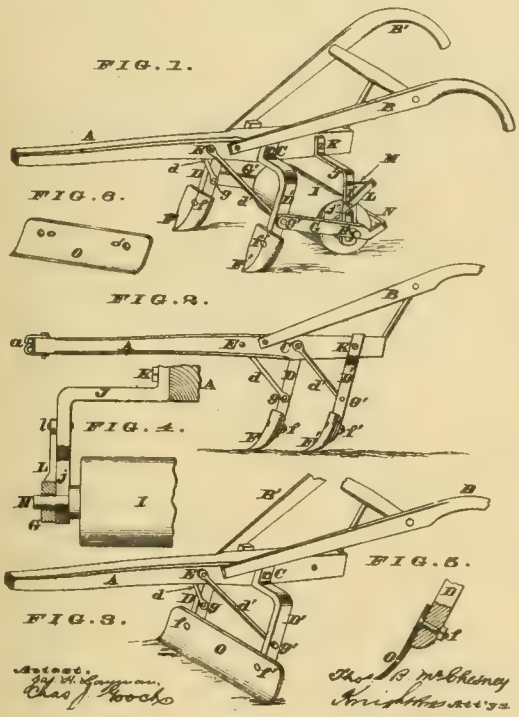
W. H. GRANT.

Plows for Covering Corn.

No. 155,080. Patented Sept. 15, 1874.

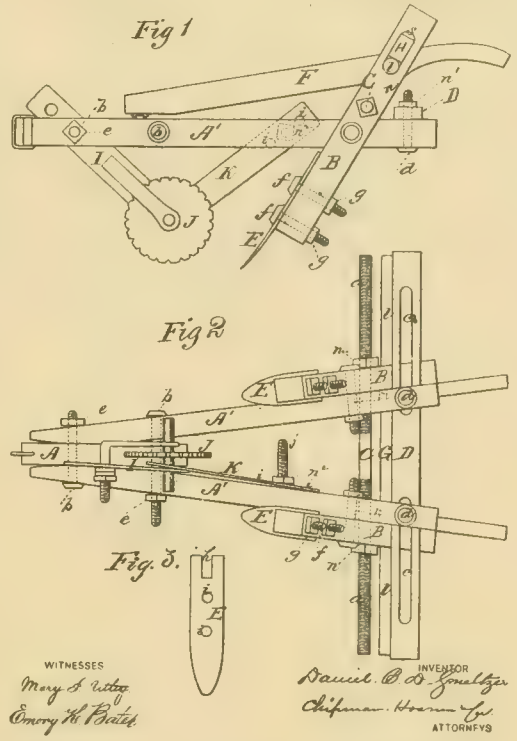


T. B. McCHESNEY.
CORN-COVERER.
No. 171,829. Patented Jan. 4, 1876.



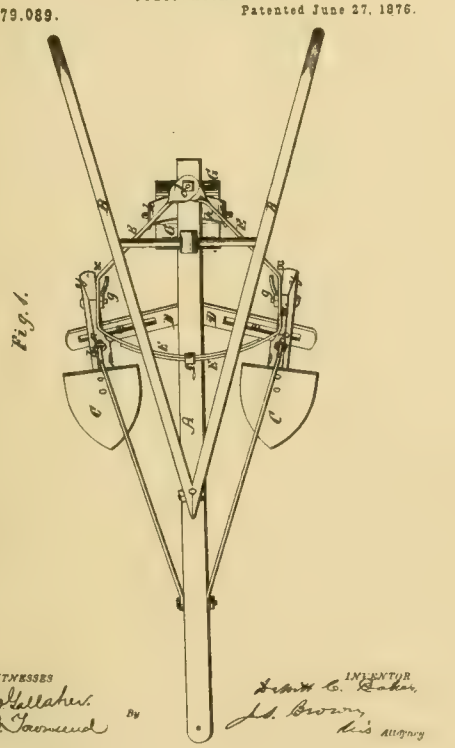
2 Sheets—Sheet 1.

D. B. D. SMELTZER.
CORN-COVERER AND MARKER.
No. 174,020. Patented Feb. 22, 1876.

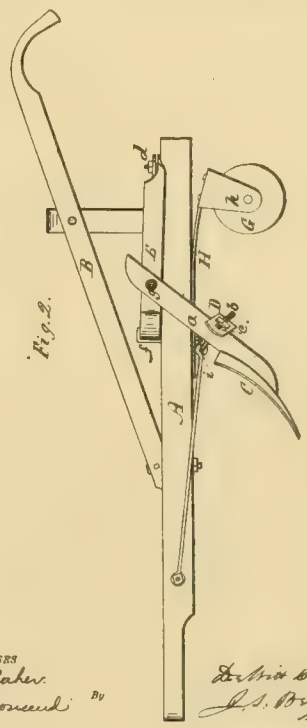


2 Sheets—Sheet 2.

DeW. C. BAKER.
CULTIVATOR.
No. 179,089. Patented June 27, 1876.

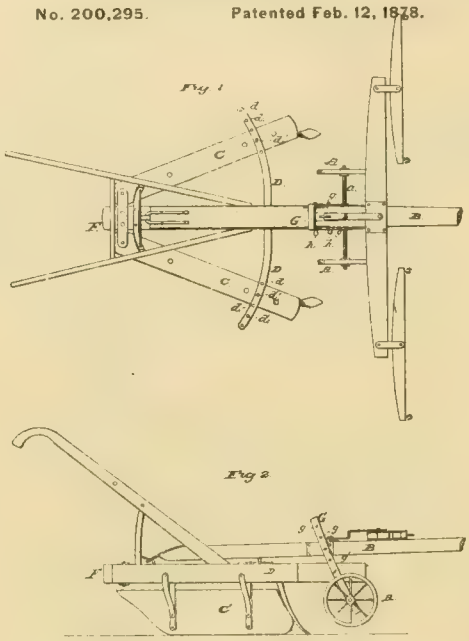


DeW. C. BAKER.
CULTIVATOR.
No. 179,089. Patented June 27, 1876.



W. & C. T. HERBERT.
Corn and Potato Coverer.

No. 200,295. Patented Feb. 12, 1878.



Witnesses
John J. McCarty
John A. Reardon

Inventors.
William Herbert
Charles Th. Herbert

	Plate	Claim
Adams, R. N.	209	127
Adams, J.	211	128
Allen, B. S.	244	144
Altick, W.	210	127
Andrews, W. J.	207	126
Bailey, C. and Bagby, G. K.	223	133
Banks, G. W.	235	139
Bates, F. L.	223	133
Bazemore, W. T.	200	123
Bethune, J. H.	251	148
Bibb, W. C.	218	131
Blair, W. W.	207	126
Babo, I. H.	238	141
Bowman, L. D.	241	143
Brenner, A. W. and Fraser, J.	247	146
Bridges, E. C. L.	235	139
Brown, T. J.	236	140
Brown, S. E.	249	147
Burch, I. W.	213	129
Burnham, T. C.	227	135
Burnham, T. C.	230	137
Burnham, T. C.	232	137
Busch, W.	242	143
Cage, H. B.	214	129
Camp, S. N.	236	139
Cannaday, C.	203	124
Carson, J. B.	240	142
Chambers, G. W. and Washam, I.	210	127
Collins, I. W. and Wilkinson, R. Y.	206	125
Coston, J.	225	134
Crichton, W.	200	123
Curry, B. J.	246	145
Curry, B. J.	253	150
Dale, T.	220	132
Darden, S. C.	213	129
Davis, M. E.	214	130
Davis, C. C. and A. G.	240	142
DeForce, S. A. and Mc Connell, W. V.	239	141
Dever, J. P.	256	152
Dickert, C. P. and Heller, E. Mc D.	252	149
Dollahon, C. T.	227	135
Doolittle, Z. and Crowder, A. M.	211	128
Douglas, C. B.	219	131
Draughon, R. I.	214	130
Draughon, R. I.	245	145
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Enete, E.	213	129
Eustace, M.	229	136
Evans, W. D.	230	137
Ewing, L.	232	137
Forney, D. P.	202	123
Foster, A. K. and B. H.	207	126
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Greeson, E. M.	215	130
Hale, N. M.	216	130
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Hall, F. A. and Milton, N. B.	243	144
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Harris, E. H. and Cleghorn, J.	199	123
Harrison, C. B.	229	136
Harrison, J. P.	234	138
Hart, T. M.	248	146
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Hatcher, J. W.	221	132
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Hood, J. R.	217	131
Houston, J. D.	207	125
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Hughes, J. L.	251	148
Hutson, E.	247	146
Jefferson, S. A.	216	130
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Johnson, W. J.	225	134
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Johnson, J. J.	248	147
Joyner, L. B.	204	124
Keith, A. M.	203	124
Keys, M. H.	255	151
Kidd, I. J.	212	128
Kidd, I. J.	212	129
Killough, W. B.	233	138
Kirtley, F. L.	212	129
Lamar, M. B.	219	131
Leatherman, P. R.	215	130
Lecq, P. O.	239	141
Lee, R. L.	238	141
Lee, C. J.	242	143
Leonhard, F. A.	220	131
Lewis, D. P.	208	126
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Love, S. M.	242	145
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McCaskill, J. C.	250	148
McCaughan, C. A.	208	126
McClaugherty, W. H.	230	136
McClung, R. L.	231	137
McCormick, J. R.	233	138
McCracken, W.	208	126
McKinnon, K.	228	135
McMeekin, T. G. W. and Hunt, W. W.	231	137
McMillan, J. W.	238	141
McMullen, L. S.	254	151
Marable, T. E.	226	134
Marsh, 2nd C.	217	131
Marsh, 2nd C.	218	131
Massee, D. W.	252	149
Matthews, E. T.	222	132
Mickle, J. G. and Dearring, F. F.	230	137
Middlebrooks, J. L.	206	125
Mitchell, J. D.	229	136
Monaghan, P.	204	124
Moore, J.	236	139
Moore, J. A.	245	145
Morrel, A. H.	200	123
Mosely, D.	218	131
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Nance, A. P.	250	148
Neal, W. S.	240	142
Nearn, M. L.	224	134
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Patterson, J. D.	251	148
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Prairie, J. P.	239	141
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Prunelle, R. H.	220	132
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Rains, W. O.	254	150
Rawls, J. G.	243	144
Reams, C. F.	222	133
Robbins, P. D.	228	135
Roberts, A F.	224	133
Roberts, G. W.	256	152
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Sauls, W. W.	239	141
Sellers, J. C.	206	125
Shannon, T. E.	201	123
Shields, F. M.	210	128
Smith, J. H.	242	143
Smith, J. F.	248	146
Speer, J.	205	125
Spencer, A. L.	231	137
Sprague, C. A. and Clardy, J. W.	237	140
Stoddard, J. C.	203	124
Sustaire, J. T.	241	142
Sutton, E. H.	226	134
" " " (R)	227	135
Tilton, W. C.	223	133
True, L. W.	246	145
Turnipseed, E. B.	219	131
Tyson, E. P.	245	145
Underwood, J. B.	223	133
" " " (R).	224	133
Walden, J. M.	250	148
Walden, J. M.	251	149
Walden, J. M.	253	149
Walden, J. M.	254	150
Wallace, J. R. and Mc Clain, B. A.	209	127
Warren, J.	241	143
Wash, W. H.	227	135
Washburn, A. W.	201	123
Watrous, J. J.	226	134
Weaver, J.	199	123
Welsh, D. F.	217	131
Wetherell, L.	202	123
Wilder, B. S.	249	147
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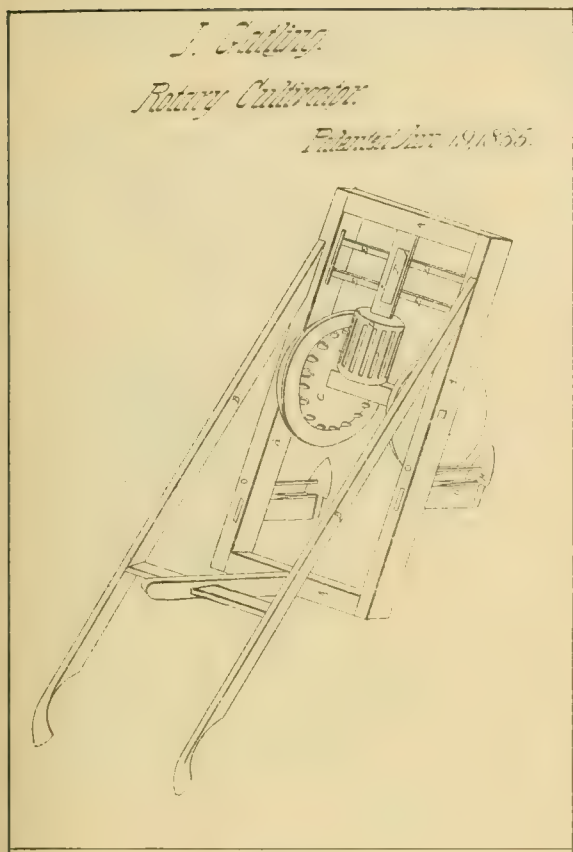
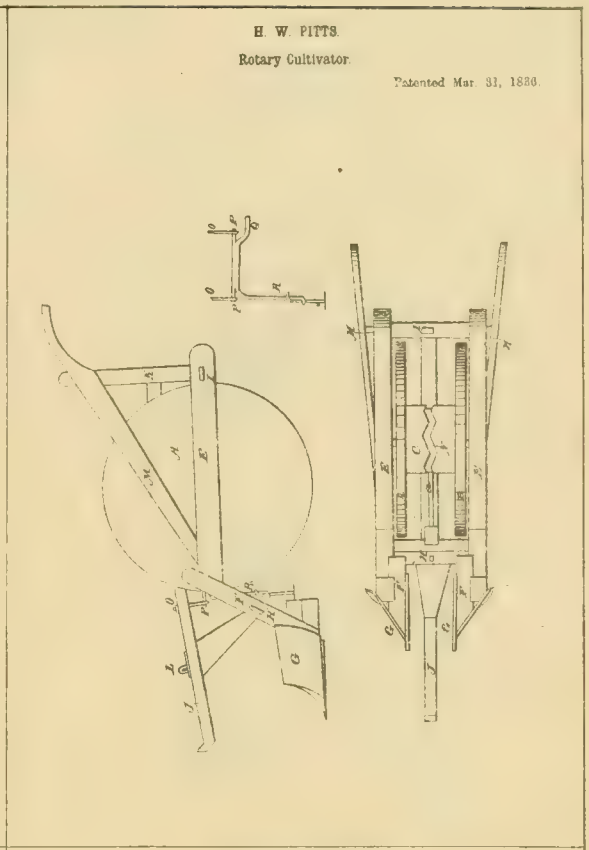
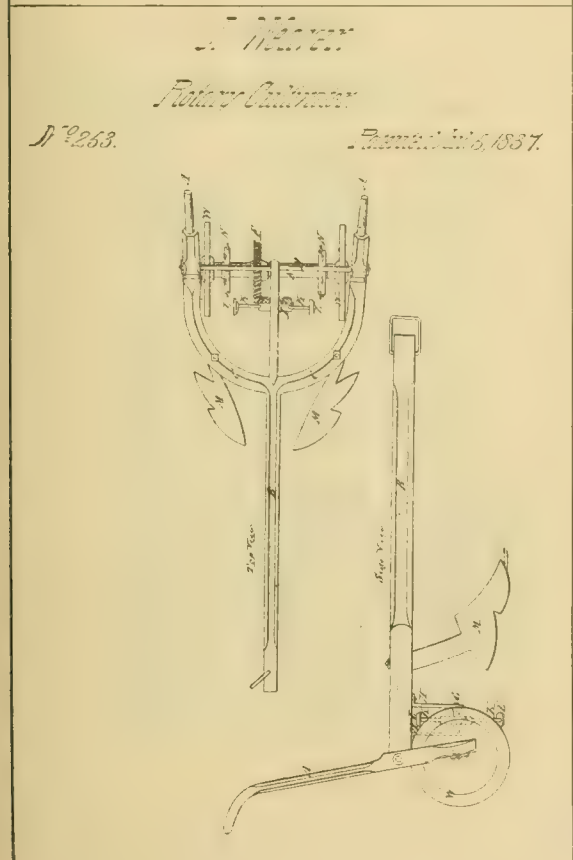
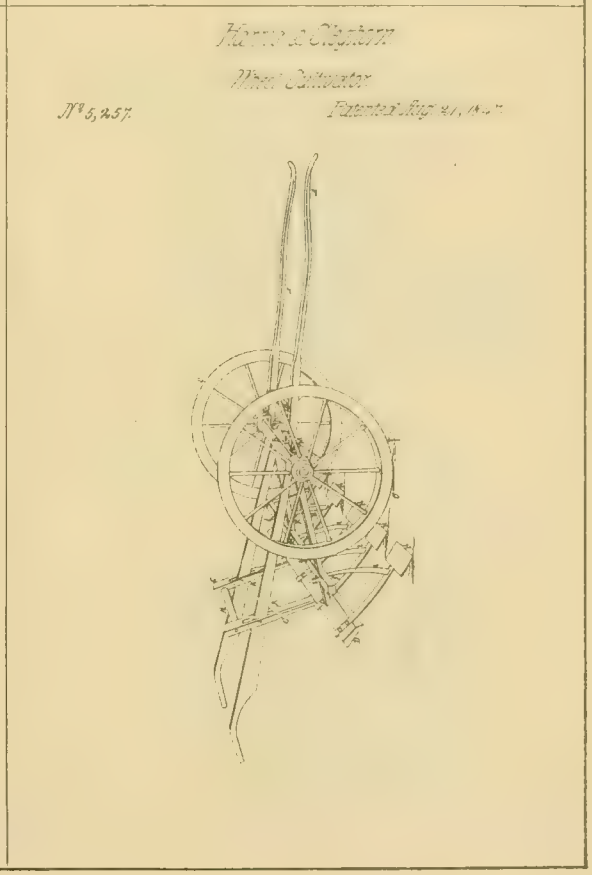
Withers, A. Q.	202	123
Young, J. H. W.	216	130
Young, W. T. and Moody, W. T.	238	141


Rotary Cultivator


H. W. PITTS.
Rotary Cultivator.
Patented Mar. 31, 1886.

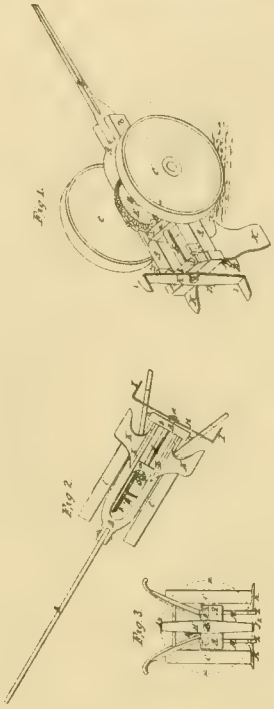

Rotary Cultivator
No 2253.


Wheel Cultivator
No 5,257.

W. Crichton.

Rotary Cultivator.

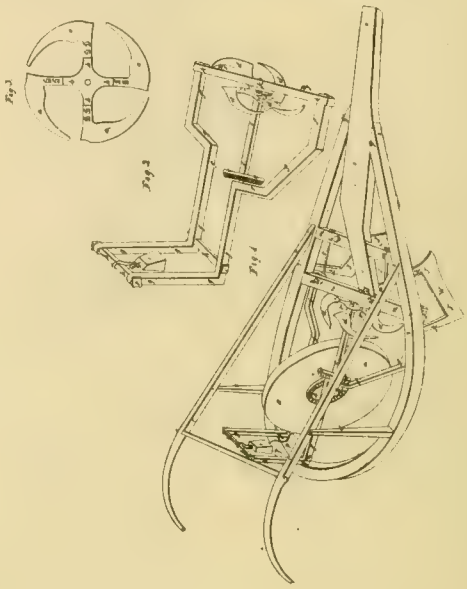
No. 5,340. Patented Oct. 23, 1847.



W. Price.

Rotary Cultivator.

No. 11,008. Patented Jan. 6, 1854.



W. T. Bazemore.

Rotary Cultivator.

No. 11,593. Patented Aug. 29, 1854.

Fig. 1.

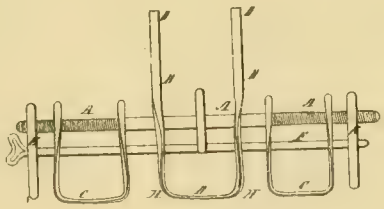
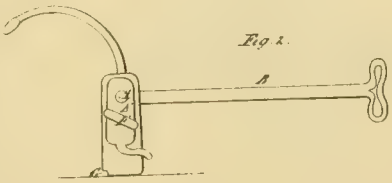


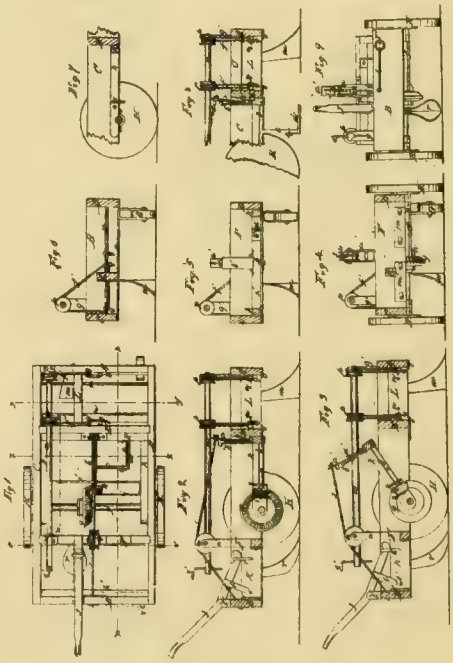
Fig. 2.



A. H. Morrel.

Rotary Cultivator.

No. 12,690. Patented Feb. 10, 1855.

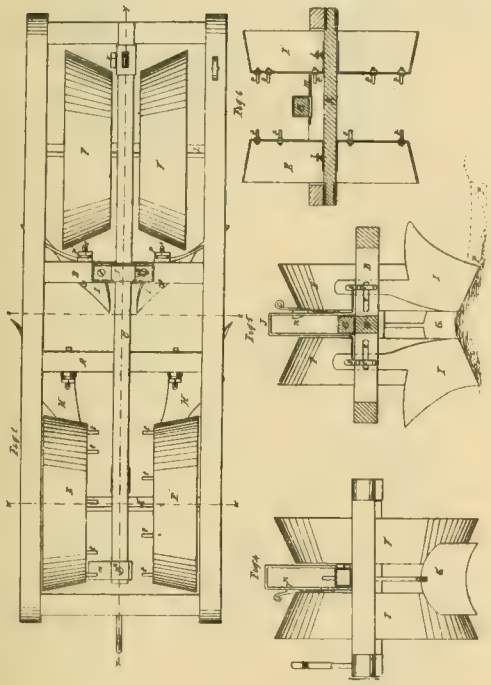


Sheet 1, 2 Sheets

A. N. Nashburn.

Shovel Plow.

No. 14,540 Patented Mar. 25, 1856.

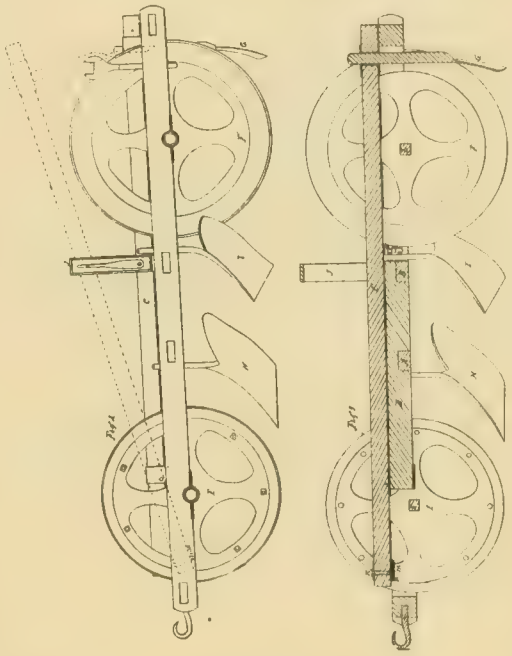


Sheet 2, 2 Sheets

A. N. Nashburn.

Shovel Plow.

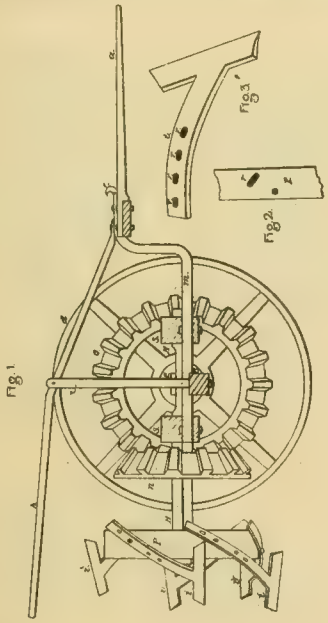
No. 14,540 Patented Mar. 25, 1856.



J. M. Hall.

Rotary Cultivator.

No. 17,091. Patented Apr. 21, 1857.



Witnesses

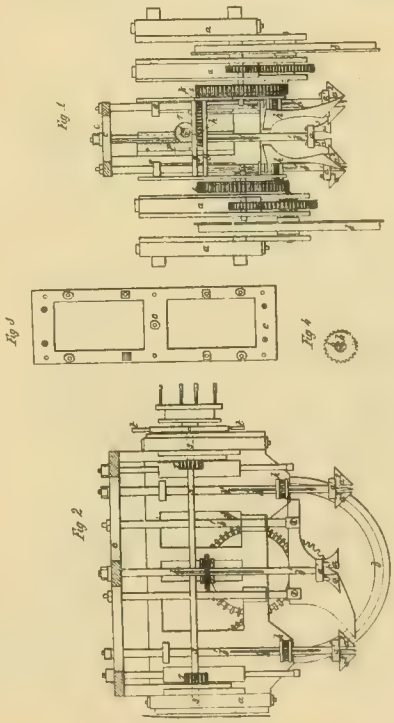
Inventor

John M. Hall

T. E. Shannon.

Steam Plow.

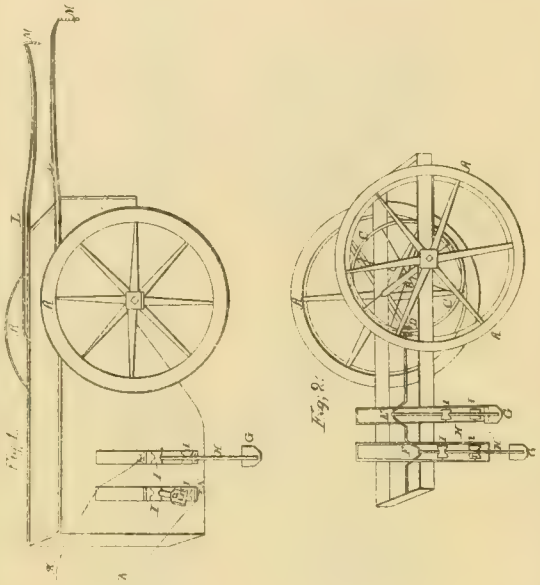
No. 17,849. Patented Jun. 21, 1857.



D. P. Forney.

Steam Plow.

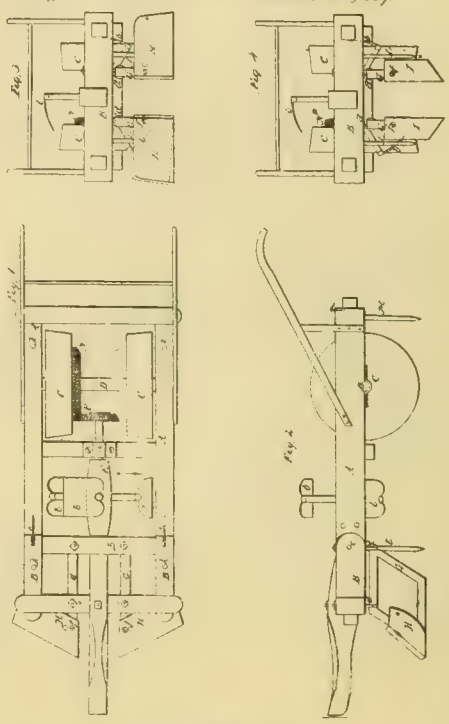
No 18,442. Patented Oct 20, 1857



A. G. Withers. Sheet 1. N. Shaw.

Steam Plow.

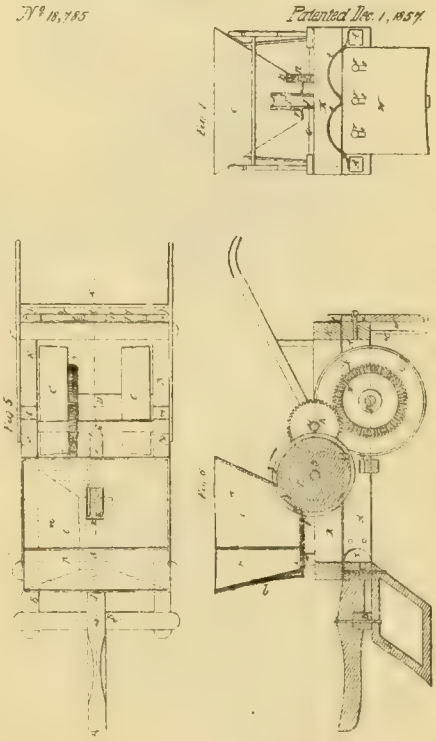
No 18,785. Patented Dec. 1, 1857.



A. G. Withers. Sheet 2. N. Shaw.

Steam Plow.

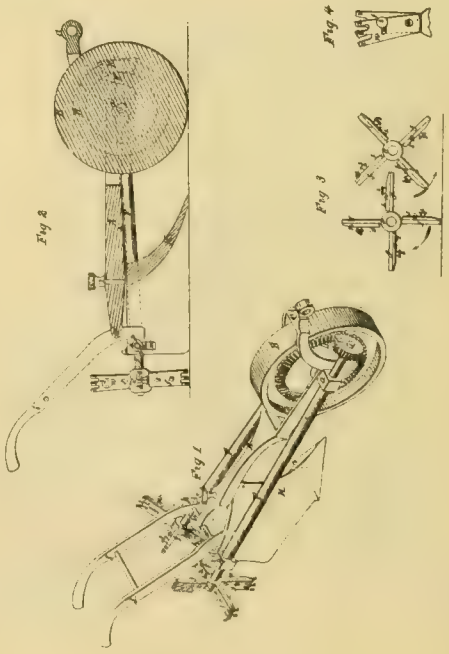
No 18,785 Patented Dec. 1, 1857.



L. Witherell

Rotary Cultivator.

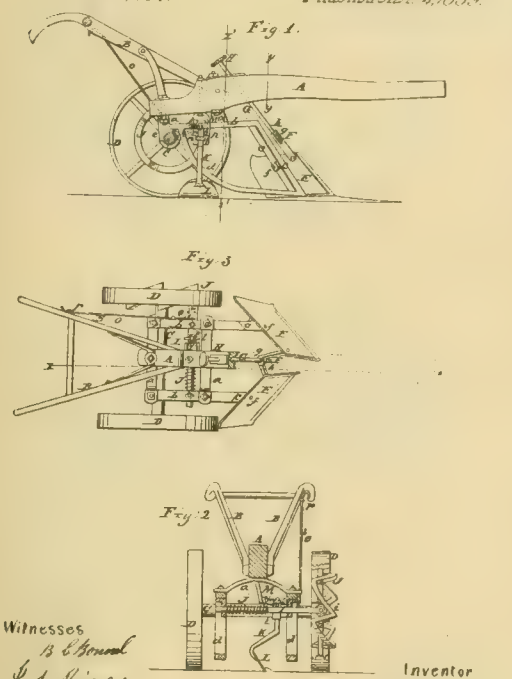
No 18,737. Patented Dec. 22, 1857



C. Cannaday.

Rotary Cultivator

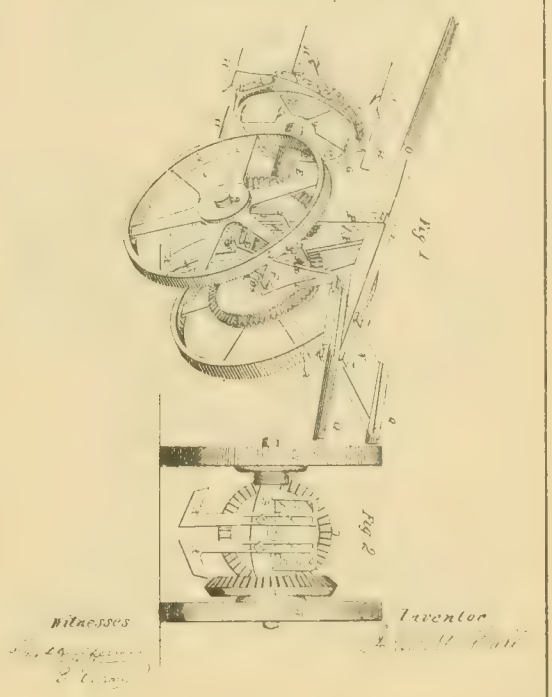
No. 22,487. Patented Dec. 4, 1859.



John M. Halls.

Improvement in Cotton Cultivators.

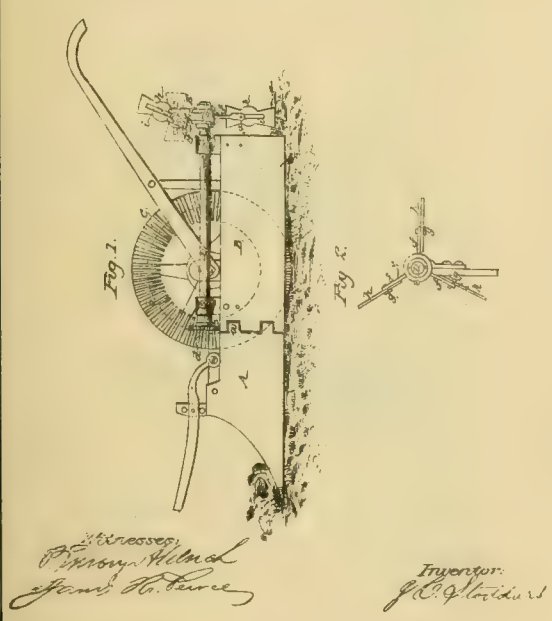
No. 22,647 Patented Jany 18th 1859.



J. C. STODDARD.

Rotary Cultivator.

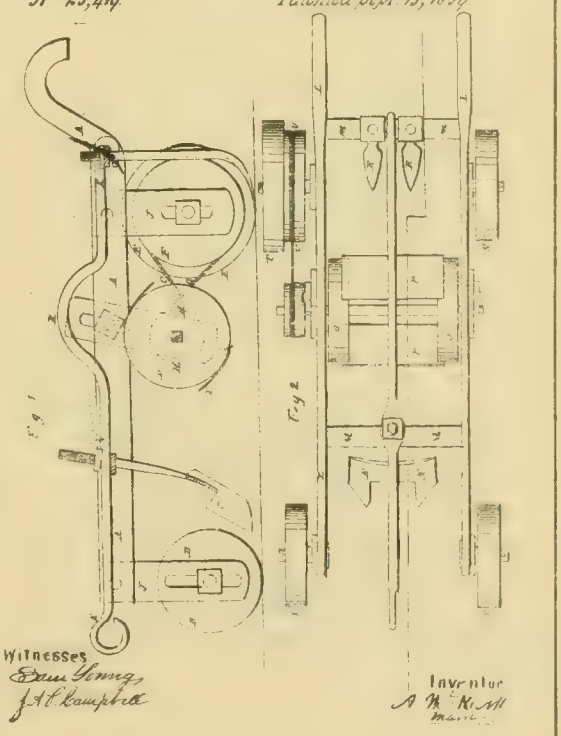
No. 24,500. Patented June 21, 1859.



A. M. Keith.

Steam Plow.

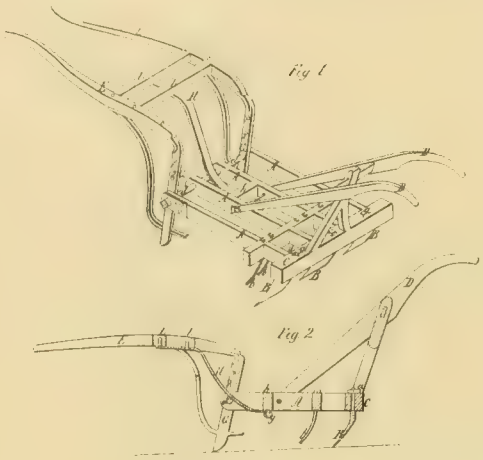
No. 25,419. Patented Sept. 13, 1859.



P. Monaghan.

Cultivator

No 26,606 Patented Dec. 27, 1859.



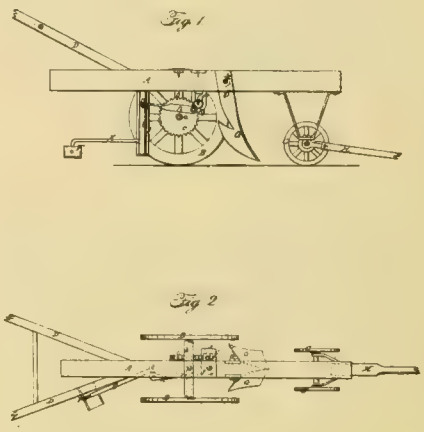
Witnesses.

Inventor,
Peter Monaghan
by atty, A.B. Langston

NEWCOMB & BYRD.

Rotary Cultivator.

No 28,699 Patented Jan. 3. 1860.



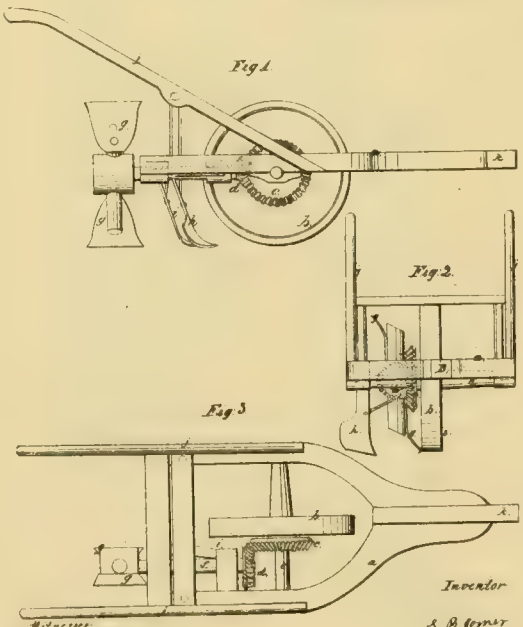
Witnesses:
a. F. W. Maddox
J. W. S. Byrd

Inventor:
Thomas Newcomb
J. W. Byrd

L. B. Joyner.

Rotary Cultivator.

No 27,987. Patented Apr 24, 1860.

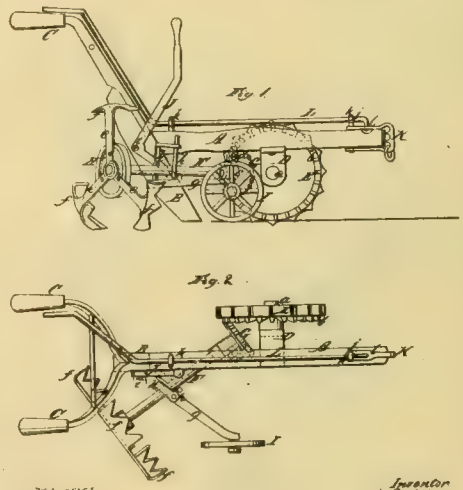


Witnesses
Inventor
L. B. Joyner

W. F. Johnson.

Rotary Cultivator.

No 28,683. Patented Jun 6, 1860.



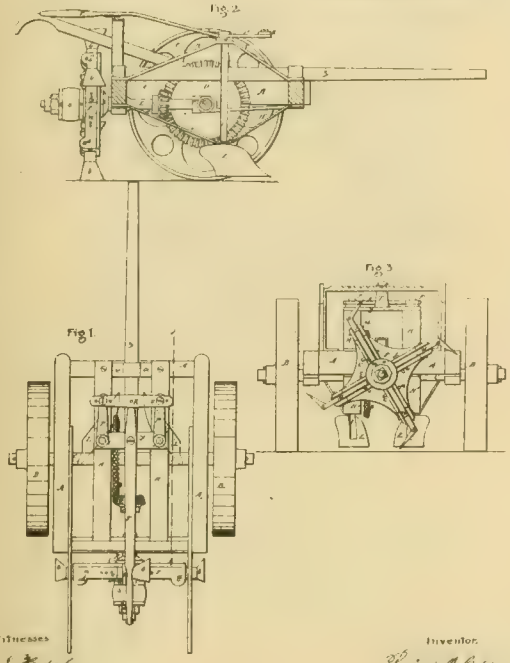
Witnesses.
R. S. Shreve
F. W. Crosby

Inventor
W. F. Johnson
per Munn & Co
Attys

R. I. Cutting.

Rotary Cultivator.

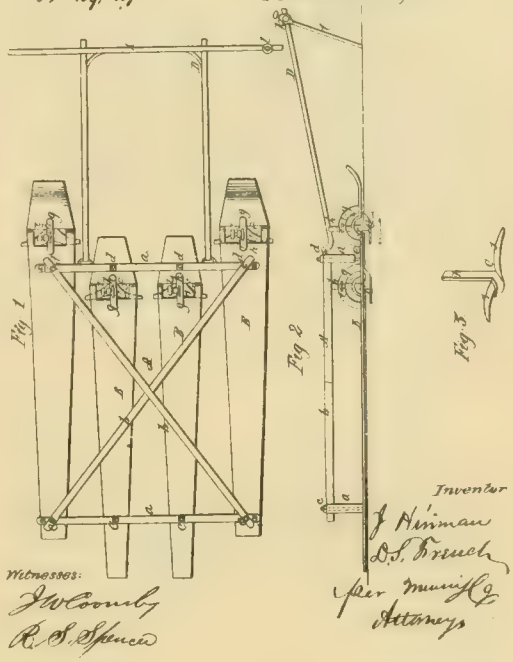
No. 28,978. Patented Jul. 3, 1860.



Hinman & French.

Cultivator.

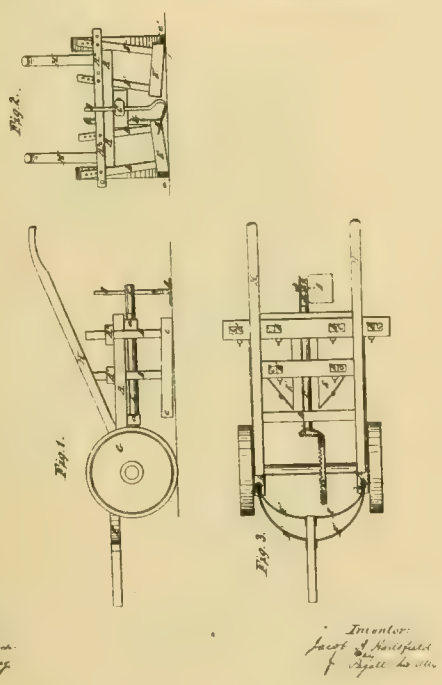
No. 29,127. Patented Jul. 10, 1860.



J. A. Hartfield.

Rotary Cultivator.

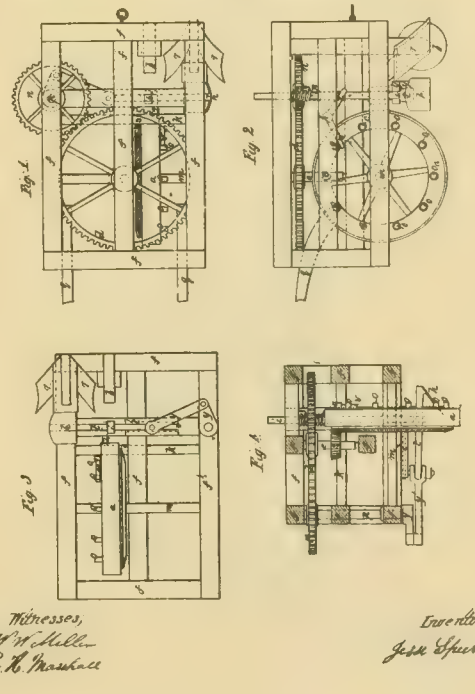
No. 29,166. Patented Jul. 17, 1860.



J. Speer.

Steam Plow.

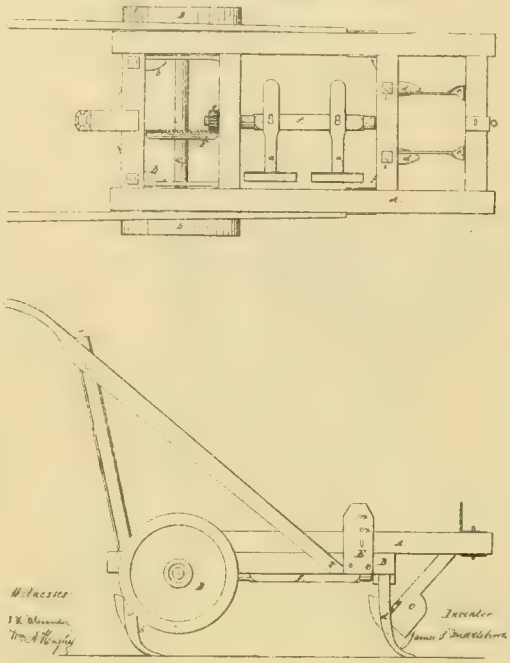
No. 29,418. Patented Jul. 31, 1860.



J. S. Middlebrook

Rotary Cultivator

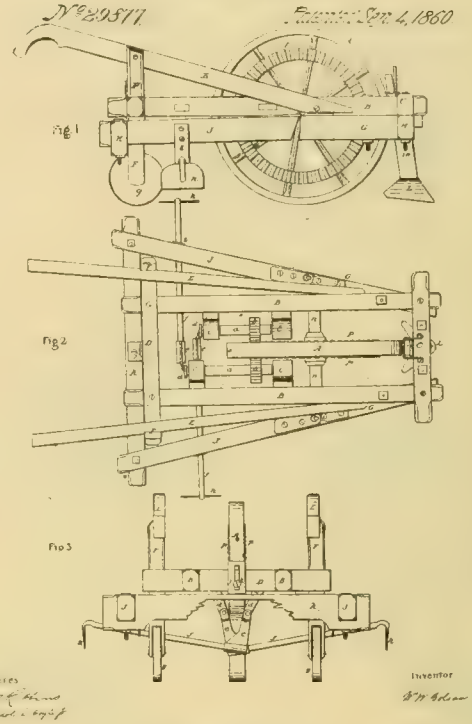
No. 29,507 Patented Aug. 7, 1860



W. W. Coleman

Rotary Cultivator

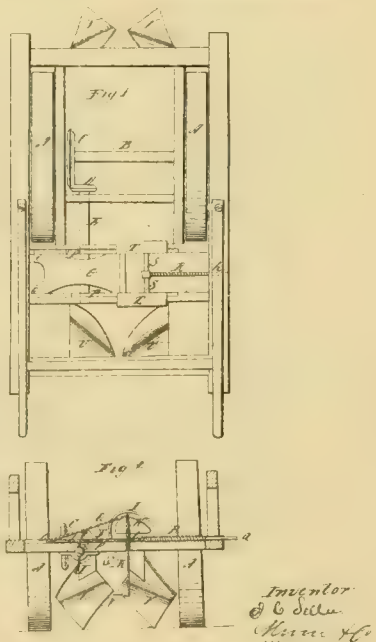
No. 29,577 Patented Sept. 4, 1860



J. C. Sellers

Rotary Cultivator

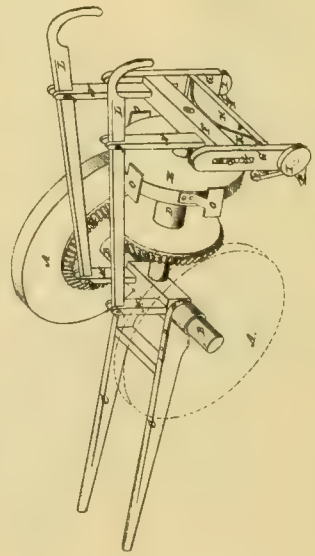
No. 30,163 Patented Oct. 25, 1860.



Collins v. Wilkinson,

Rotary Cultivator.

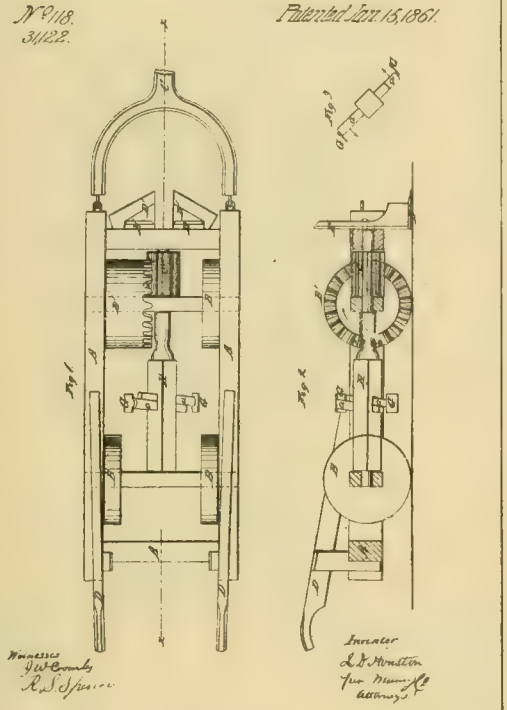
No. 30,721. Patented Nov. 27, 1860.



J. D. Houston.

Rotary Cultivator.

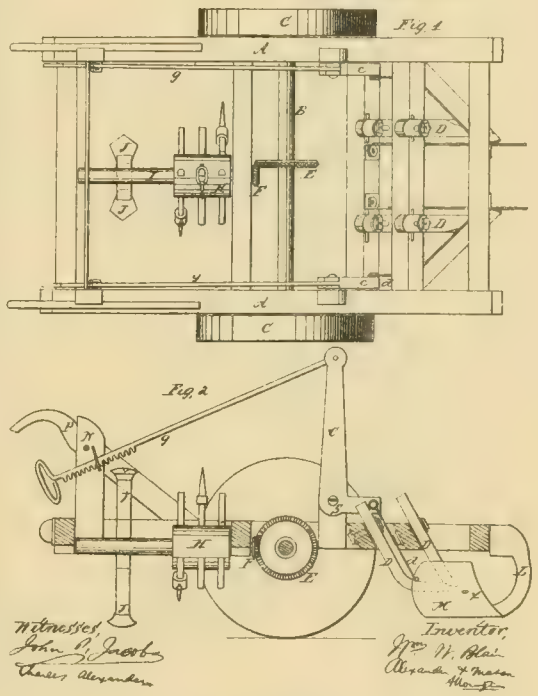
No. 118. 31,122. Patented Jan. 15, 1861.



W. W. Blair.

Rotary Cultivator.

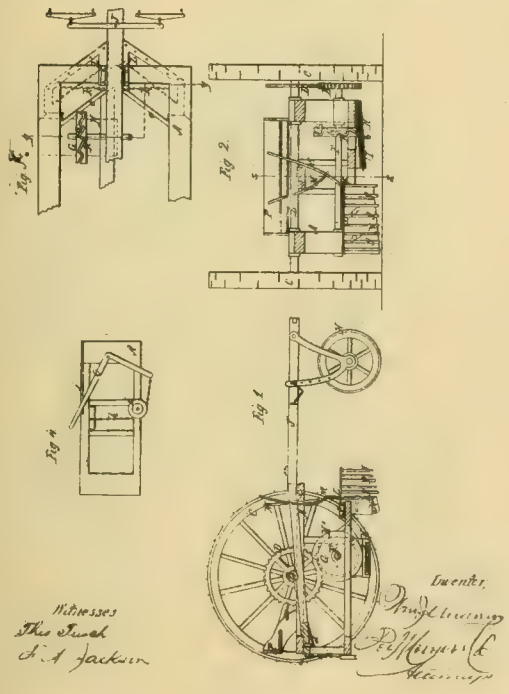
No. 55,607. Patented Jun. 19, 1866.



W. J. Andrews.

Wheel Cultivator.

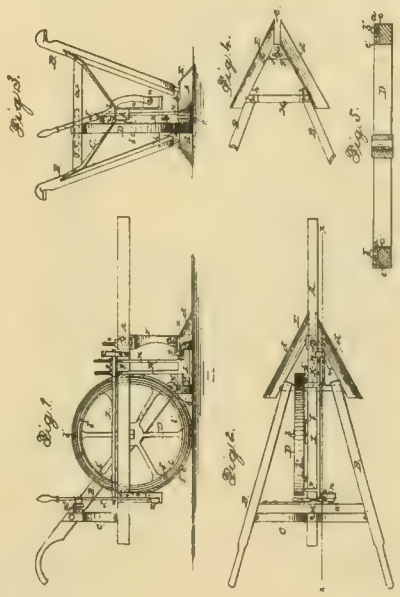
No. 57,841. Patented Sept. 11, 1866.



A. K. & B. H. FOSTER

Rotary Cultivator.

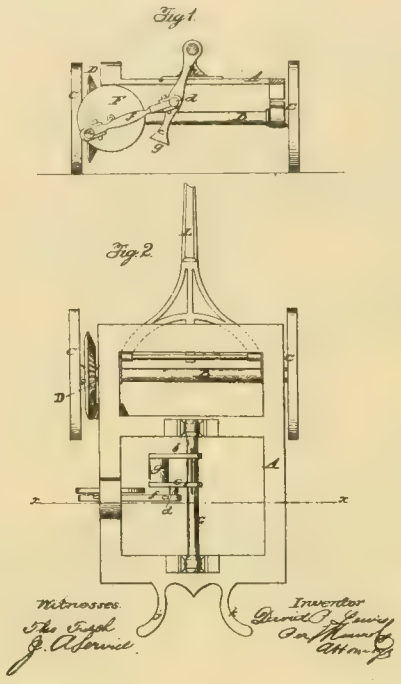
No. 60,625. Patented Dec 18, 1866.



D. P. LEWIS.

Rotary Cultivator.

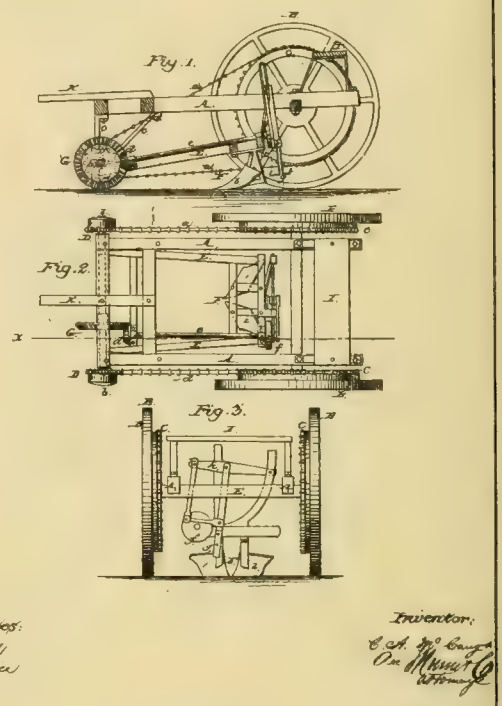
No. 61,438. Patented Jan 22, 1867



C. A. McCAUGHAN.

Rotary Cultivator.

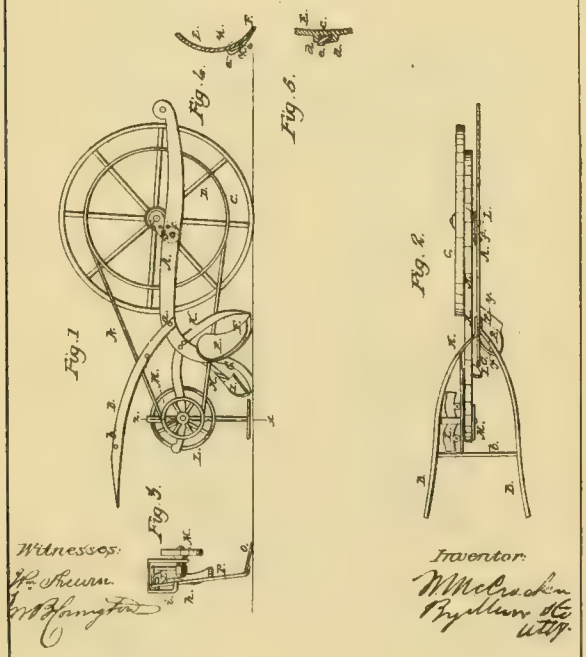
No 61,845 Patented Feb. 5. 1867.



W. McCRACKEN.

Rotary Cultivator.

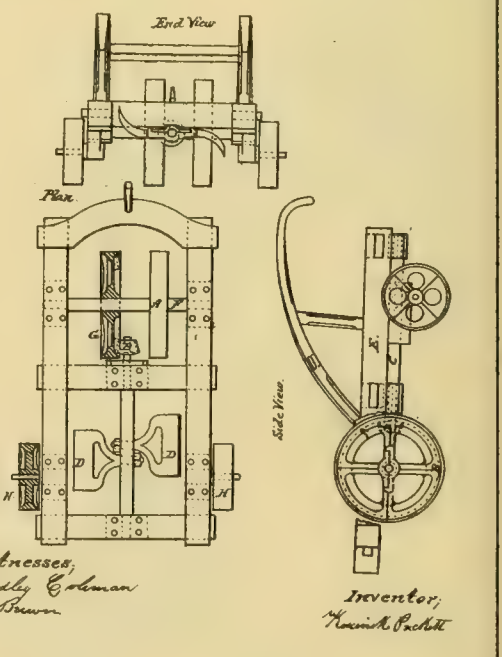
No 62,660. Patented Mar 5. 1867



K. PUCKETT.

Rotary Cultivator

No. 63,176 Patented Mar. 26, 1867

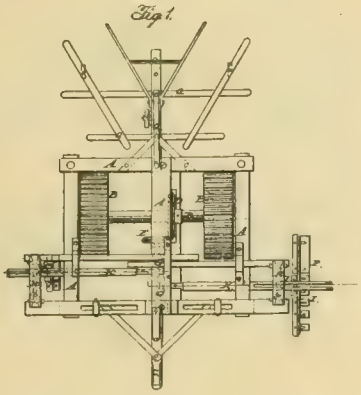


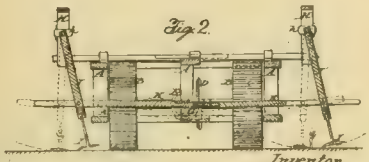
2 Sheets—Sheet 1.

R. B. HENDERSON.

Rotary Cultivator.

No. 63,246. Patented Mar 26, 1867.





Witnesses:
H. Clayton
R. Clayton

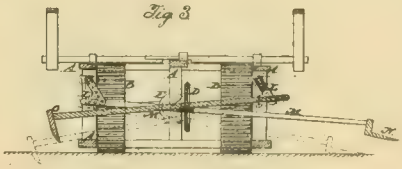
Inventor:
R. B. Henderson
by Atty
J. C. Clayton

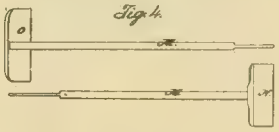
2 Sheets—Sheet 2.

R. B. HENDERSON.

Rotary Cultivator.

No. 63,246. Patented Mar 26, 1867.





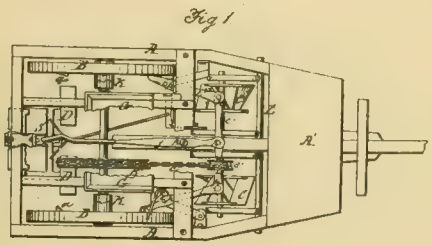
Witnesses:
H. Clayton
R. Clayton

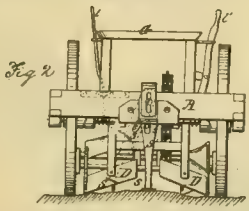
Inventor:
R. B. Henderson
by Atty.
J. C. Clayton

R. N. ADAMS.

Rotary Cultivator.

No. 63,451. Patented Apr. 2, 1867.





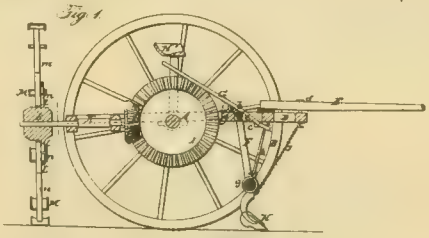
Witnesses
J. G. Winn
Ad. Coombs

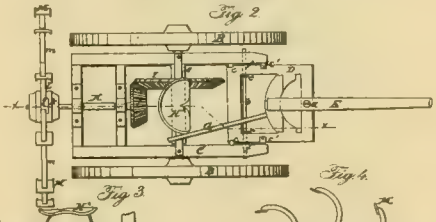
Inventor.
Robert N. Adams
By J. L. Crosby
his Atty

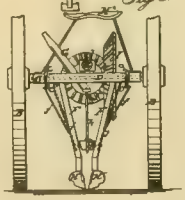
WALLACE & McCLAIN.

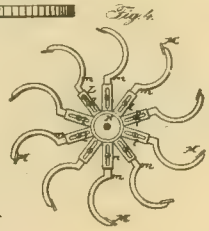
Rotary Cultivator.

No. 63,767. Patented Apr. 9, 1867.









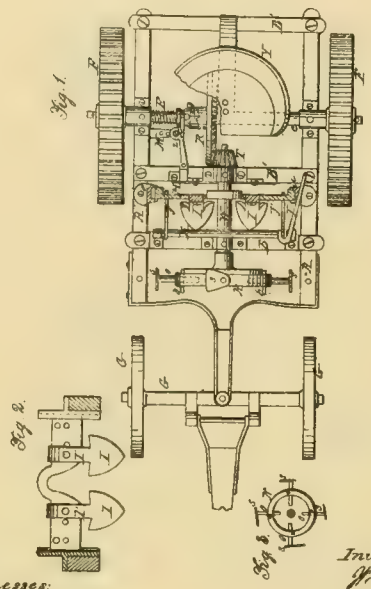
Witnesses:
J. L. Smith
J. Alexander

Inventor.
Jas. R. Wallace
R. E. McClain
Per Wm. Wright
Atty

W. ALTICK.

Rotary Cultivator.

No 64,057. Patented Apr 23, 1867.



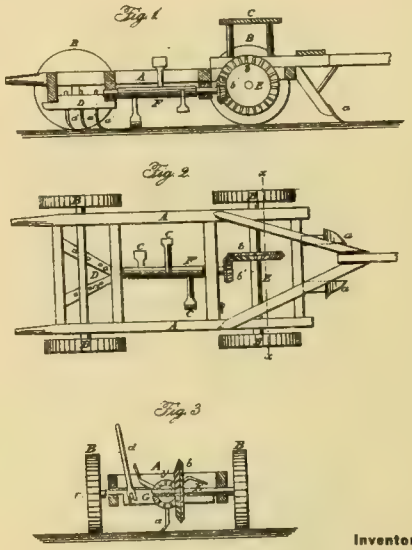
Witnesses:
W. Blackhall
A. A. Yeckman

Inventor:
Wm. Altick
per
Alexander & Mason
Attys.

CHAMBERS & WASHAM.

Rotary Cultivator.

No. 66,128. Patented June 25, 1867.



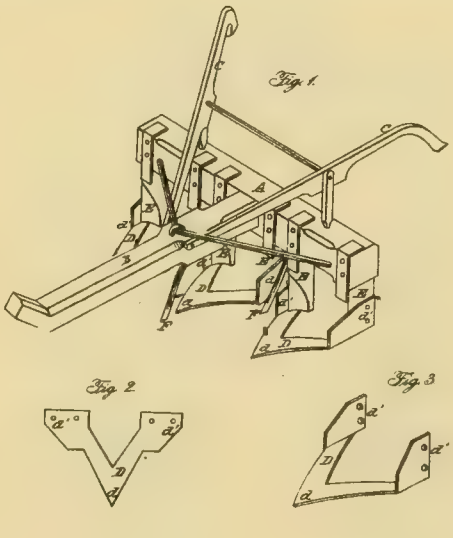
Witnesses:
Thos Insche
J. A. Service

Inventor:
Geo H. Chambers
Isham Washam
Per Munn & Co
Attorneys

F. M. SHIELDS.

Cultivator.

No. 66,895. Patented July 16, 1867.



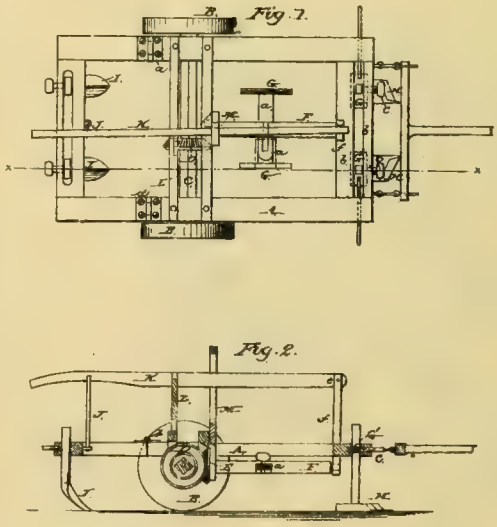
Witnesses:
Geo. A. Morrison
N. L. Ellsworth

Inventor:
F. M. Shields
per Munn & Co Attys

C. GIBBON.

Rotary-Cultivator.

No 67,289. Patented July 30, 1867.



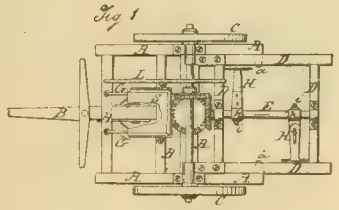
Witnesses:
Thos Insche
W. Irvin

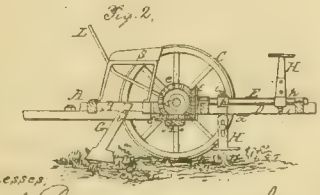
Inventor.
C. Gibbon
per Munn & Co
Attorneys.

J. ADAMS.

Rotary Cultivator.

No. 67,700 Patented Aug 13, 1867.





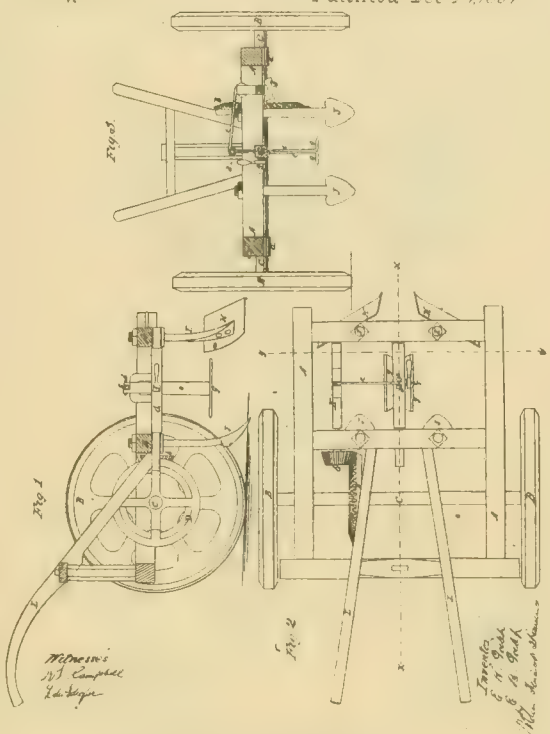
Witnesses,
Chas A. Pettit
Solon C. Kemon

Inventor,
Jesse Adams
per Munn & Co.
Attys.

E. H & E. B. Goelet.

Cotton-Cultivator.

No 72,479 Patented Dec 24, 1867



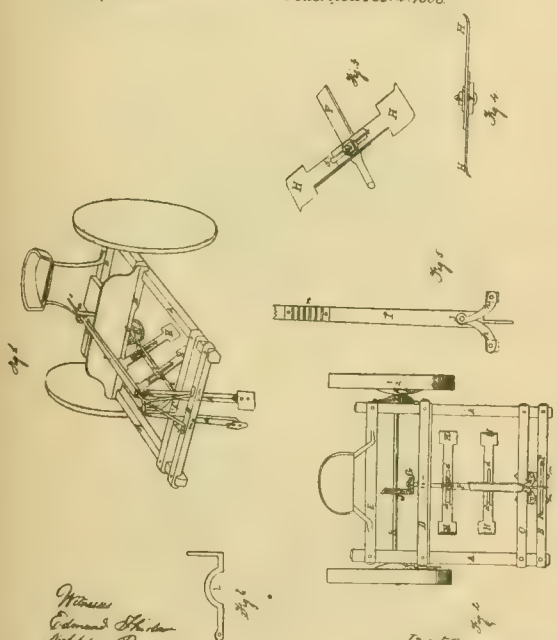
Witnesses
W. Campbell
Geo. Hodge

Inventors
E. H. Goelet
E. B. Goelet
per Wm. Henry Shaw
Atty.

A. Runstetler & A. Windeck,

Cotton-Scraper and Cutter.

No 74,006. Patented Feb. 4. 1868.



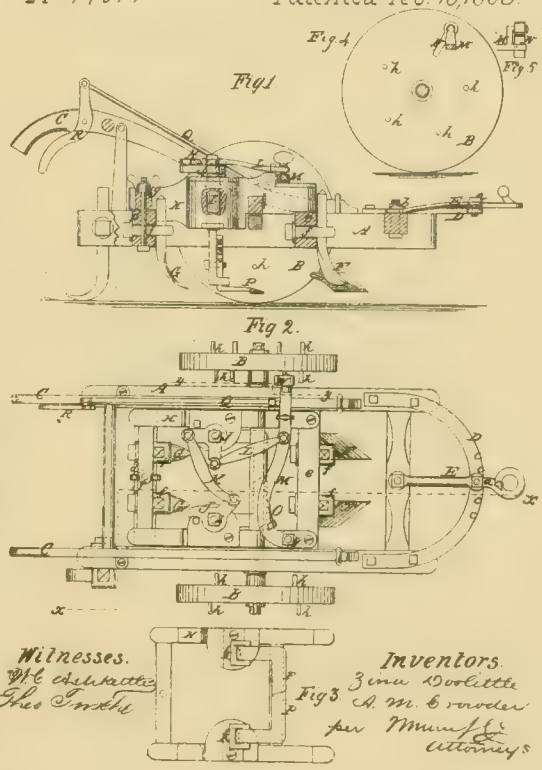
Witness
Edmund Shelton
Robert Baker

Inventors
Andreas Runstetler
Albert Windeck

Doolittle & Crowder.

Cotton-Cultivator & Chopper.

No 74519 Patented Feb. 18, 1868.



Witnesses.
W. C. Dewhurst
Geo. Smith

Inventors.
Zenas Doolittle
A. M. Crowder
per Munn & Co
Attorneys

I. J. KIDD.

Cotton Scraper.

No. 77,292. Patented April 28, 1868.

Fig 1

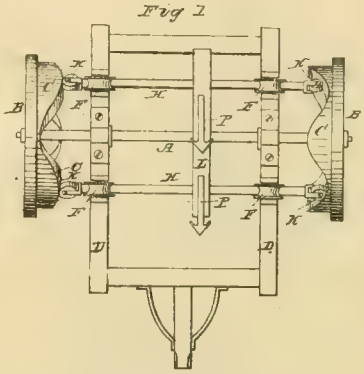
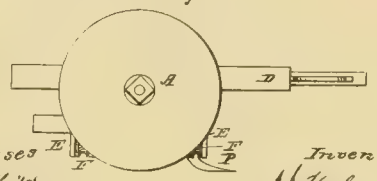


Fig 2



Witnesses
V. D. Stockbridge
A. W. Graham

Inventor
I. J. Kidd
per
Alexander Thacher
Atty

I. J. Kidd.

Rotary Cultivator.

No 77,293. Patented Apr. 28, 1868.

Fig 1

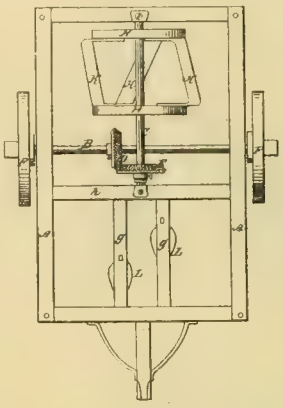
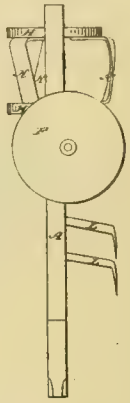


Fig. 2



Witnesses.
V. D. Stockbridge
C. H. Blue

Inventor.
I. J. Kidd
per
Alexander Thacher
Atty

L. Henderson.

Rotary Cultivator.

No 78,088. Patented May 19, 1868.

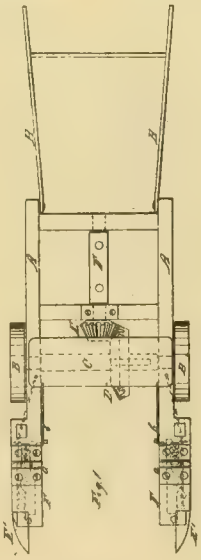


Fig 1

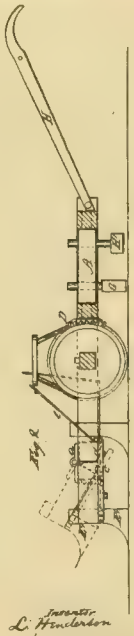


Fig 2

Witnesses
L. G. Clayton
H. Clayton

Inventor
L. Henderson
by atty J. C. Clayton

A. J. Going.

Cotton Cultivator.

No 88,627. Patented Apr. 6, 1869.

Fig. 1

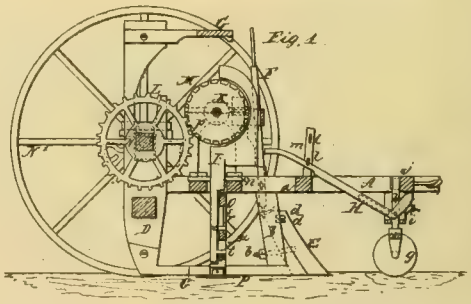
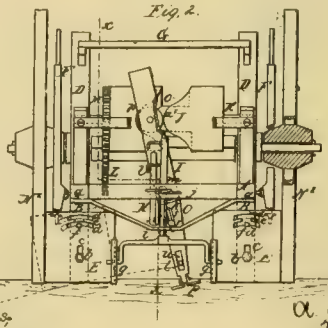


Fig. 2.



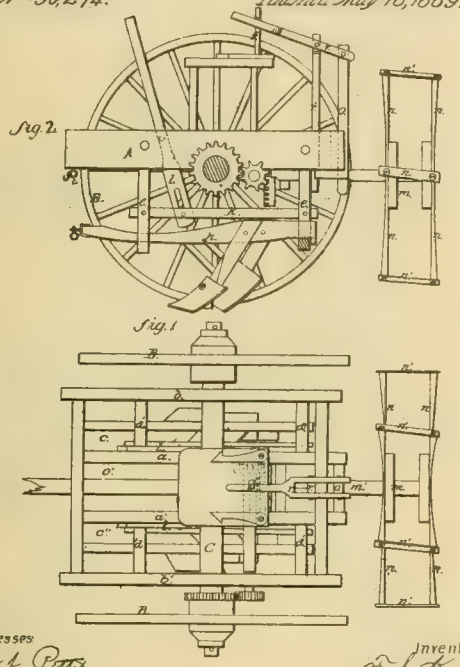
Witnesses.
A. F. Lessig
Wm. A. W. Graham

Inventor.
A. J. Going.
per Munn & Co

F. L. Hirtley.

Cultivator.

No. 90,274. Patented May 18, 1869.



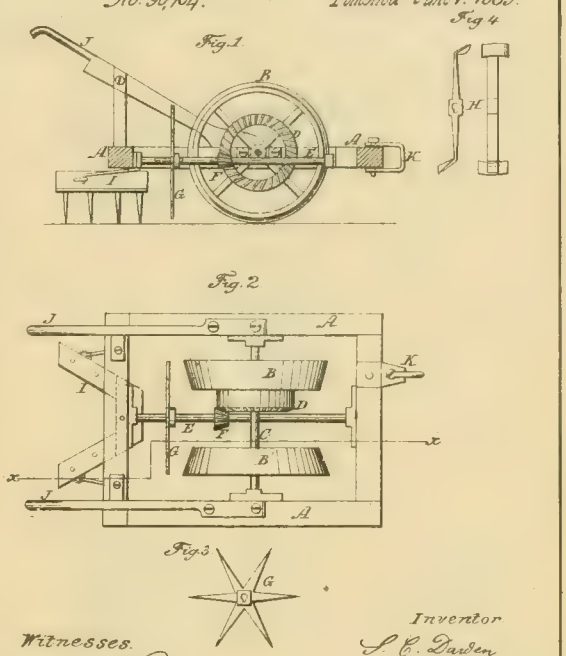
Witnesses:
B. A. Potts
E. G. Kenny

Inventor:
F. L. Hirtley
by Munn & Co.

S. C. Darden.

Cotton Cultivator.

No. 90,734. Patented June 1, 1869.



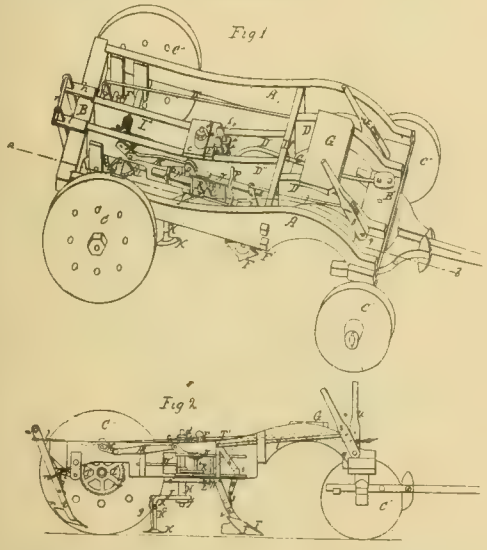
Witnesses.
Chas. Nida.
O. Hinchman

Inventor
S. C. Darden
per Munn & Co.

E. Enete.

Rotary Cultivator.

No. 94,481. Patented Sept. 7, 1869.



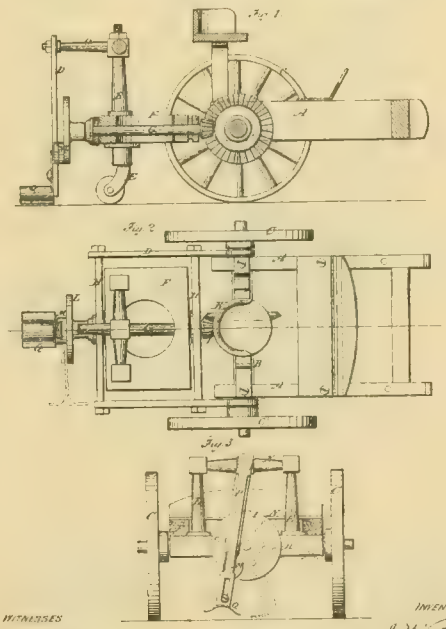
Witnesses
Rufus R. Rhodes
H. W. Goodwin

Inventor
E. Enete

T. W. Furch.

Cotton-Thinning Machine.

No. 95,422. Patented Oct. 5, 1869.



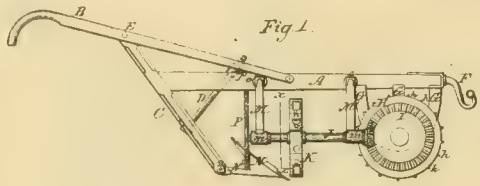
Witnesses
Chas. Nida.
Wm. F. Clark

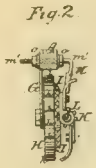
Inventor
T. W. Furch
per Munn & Co.

H. B. Cage.

Cotton Chopper.

No. 95,651. Patented Oct. 12, 1869.





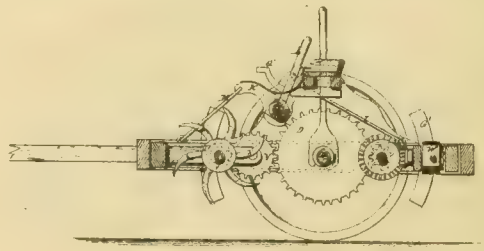
Witnesses.
S. C. Kenon.
C. A. Pettit

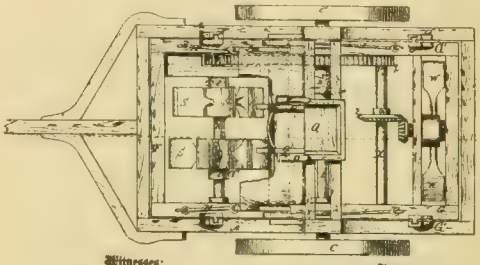
Inventor.
H. B. Cage
by Munn & Co
Attys.

R. I. Draughon,

Cultivator.

No. 96,562. Patented Nov. 9, 1869.





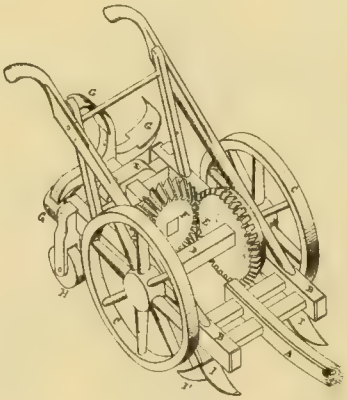
Witnesses:
Alex. T. Roberts
Saml. Ogden Alley

Inventor:
R. I. Draughon
per Munn & Co
Attorneys.

M. E. Davis,

Plow.

No. 97,277. Patented Nov. 30, 1869.



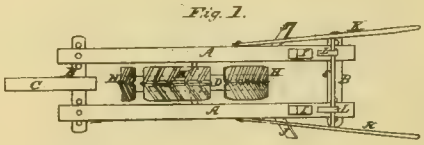
Witnesses
A. Moore
James L. Johnston

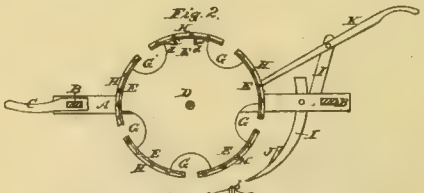
Inventor
Major E. Davis
By his Atty C. A. Pettibone

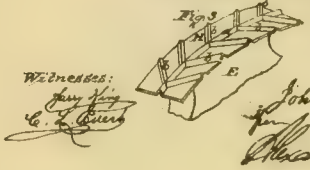
J. D. DUNN.

Cotton Chopper.

No. 100,128. Patented Feb. 22, 1870.







Witnesses:
Henry King
C. A. Evans

Inventor:
John D. Dunn
per
Alexander Mason
Atty

E. M. GREESON.

Cotton Cultivator.

No. 101,962. Patented April 12, 1870.

Fig. 1

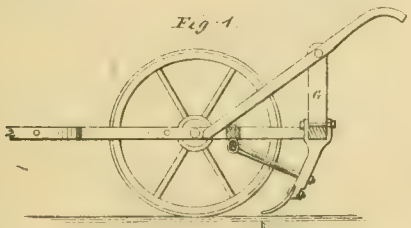
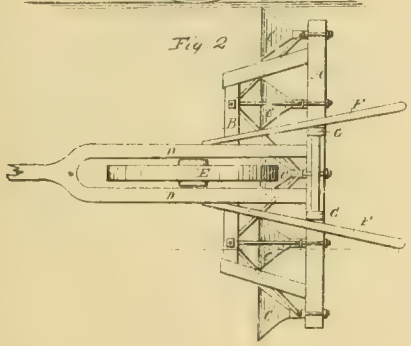


Fig. 2



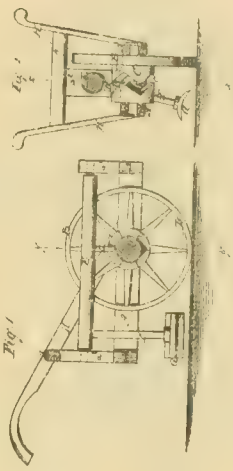
Witnesses
Alex. F. Roberts
Frank Gladney

Inventor
E. M. Greeson
Per Munn & Co
Attorneys

W. Holt,

Cotton Cultivator.

No. 1,9511. Patented Nov. 8, 1870.



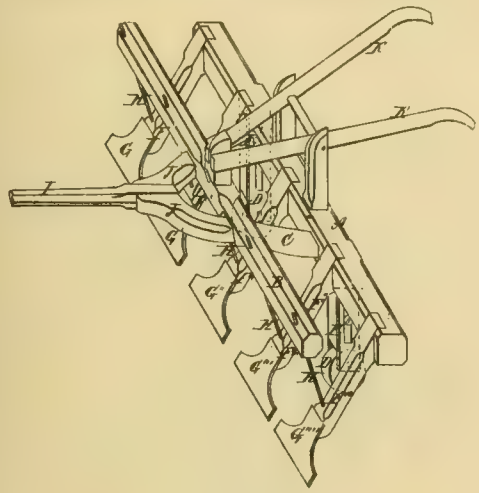
Witnesses:
Jno. F. Brooks
Edgar Tate

Inventor:
W. Holt
Per Munn & Co
Attorneys.

R. C. Holt.

Cultivator.

No. 104,154. Patented June 14, 1870.



Witnesses
Rufus R. Rhodes
Wales Adams
E. M. Jenkins

Inventor.
Rufus C. Holt
by Rufus R. Rhodes,
his atty

F. K. Leadermann.

Cultivator.

No. 108,159. Patented Oct. 11, 1870

Fig. 1

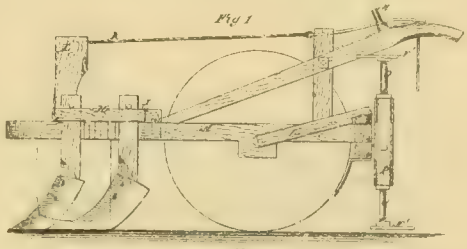
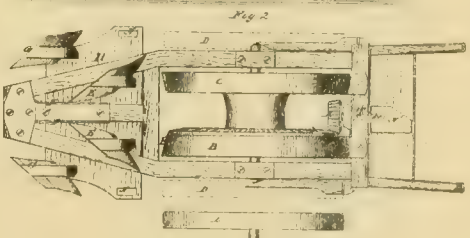


Fig. 2



Witnesses.
G. S. Hobbs
Alex. F. Roberts

Inventor:
F. K. Leadermann
Per Munn & Co
Attorneys.

S. A. Jefferson,

Cultivator.

No. 108,358 Patented Oct. 18, 1870.

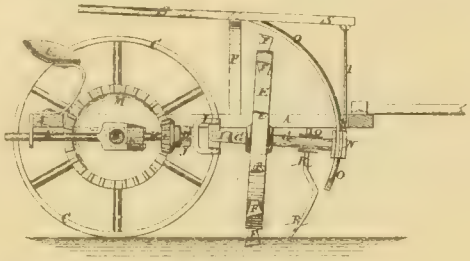
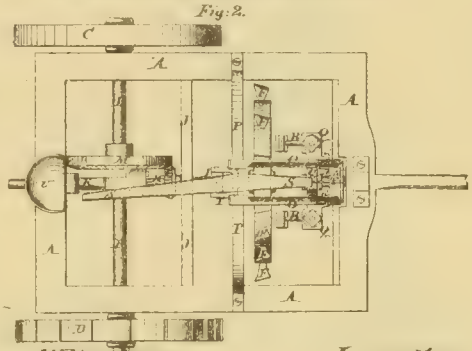


Fig. 2.



Witnesses
W. Dorland
G. J. Maher

Inventor
S. A. Jefferson
per: Munn & Co

J. A. Lilly,

Cotton Chopper.

No. 108,918. Patented Nov. 1, 1870.

Fig. 1.

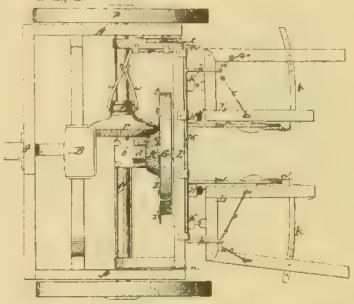


Fig. 3.

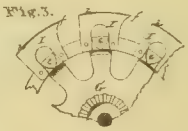
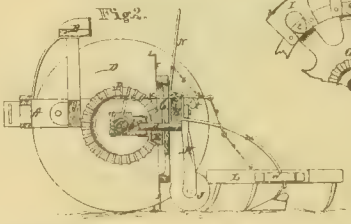


Fig. 2.



Witnesses
Chas. Thompson
D. A. King

Inventor
Jno. A. Lilly
Chipman & Co
Attys

N. M. Hale,

Rotary Cultivator.

No. 109,124 Patented Nov. 8, 1870.

Fig. 1

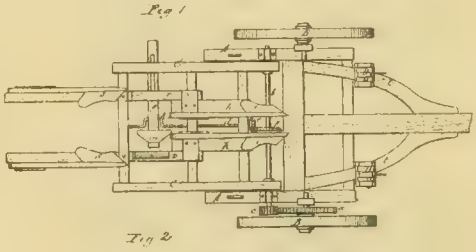
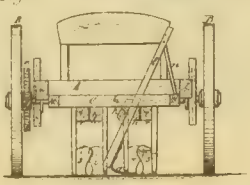


Fig. 2



Witnesses
H. J. Shetz
Thos. D. Overand

Nathan M. Hale Inventor
Munn & Co
his Attorneys

J. H. W. YOUNG.

Cotton Cultivator, Scraper and Chopper.

No. 110,531. Patented Dec. 27, 1870.

Fig. 1

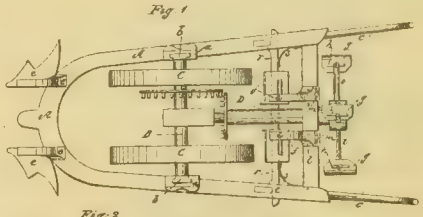


Fig. 2

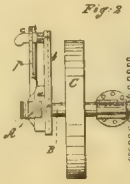


Fig. 3

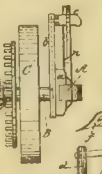


Fig. 4

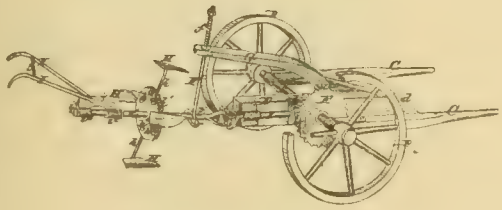
Witnesses.
H. J. Shetz
Thos. D. Overand

Inventor.
John H. W. Young
per Munn & Co
Attorneys

D. F. Welsh,

Rotary Cultivator.

No. 111,025. Patented Jan. 17, 1871.



WITNESSES.

INVENTOR.

Daniel F. Welsh per Edmund Mann Attorney

J. H. Head.

Cotton Chopper.

No. 111,346. Patented Jan. 31, 1871.

Fig. 1

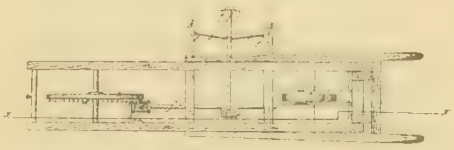
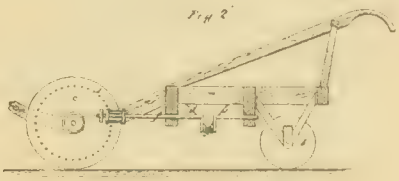


Fig. 2



Witnesses

Jos. S. Head

Their Attorneys

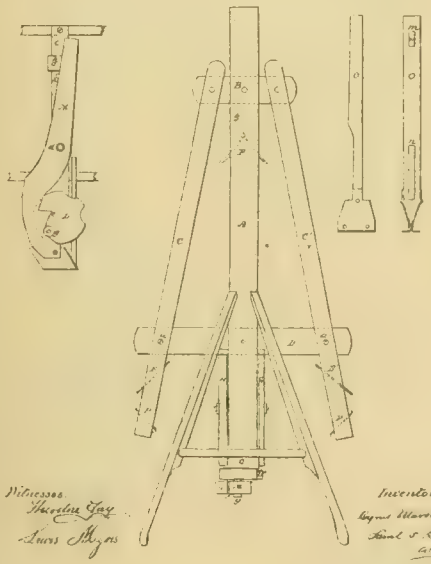
Sheet 1. 2 Sheets

C. Marsh 2nd

Corn & Cotton Scraper &c

No. 112,161 Patented Feb. 28, 1871

Fig. 3. Fig. 1 Fig. 4 Fig. 5



Witnesses

Inventor

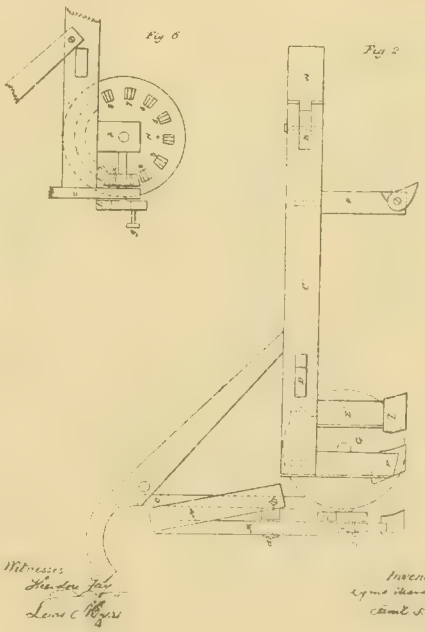
Sheet 2. 2 Sheets.

C. Marsh 2nd

Corn & Cotton Scraper &c.

No. 112,161 Patented Feb. 28, 1871

Fig. 6 Fig. 2



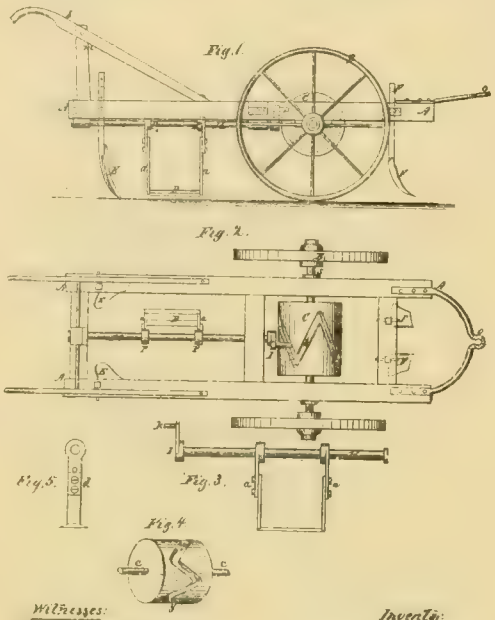
Witnesses

Inventor

W. C. Bish,

Hilling Cultivator.

No. 112,209. Patented Feb. 28, 1871.



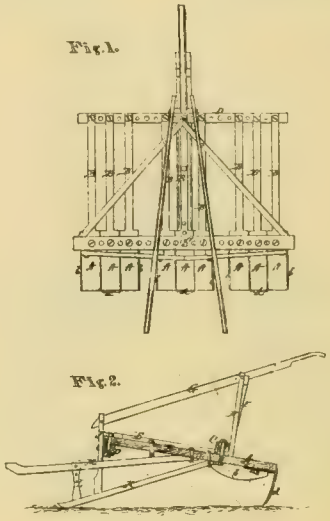
Witnesses:
Wm. C. Andrews
Charles H. Andrews

Inventor:
William C. Bish.

D. Mosely,

Cultivator.

No. 112,481. Patented Mar. 7, 1871.



Witnesses
Chas. H. Burr
Wm. Anderson

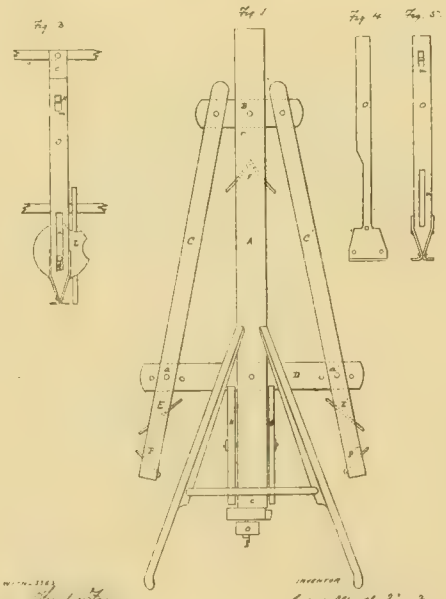
Inventor.
D. Mosely
by Prosser & Former Atty.

C. Marsh 2d

2 Sheets, Sheet 1.

Cotton Scraper.

No. 113,320. Patented Apr. 4, 1871.



Witnesses
Horace Gray
Geo. W. Shaw

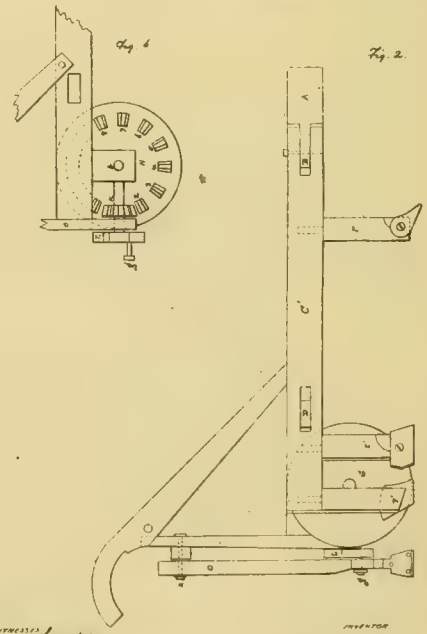
Inventor
Cyrus Marsh 2d
by Saml. S. Boyd
Atty

C. Marsh 2d

2 Sheets, Sheet 2.

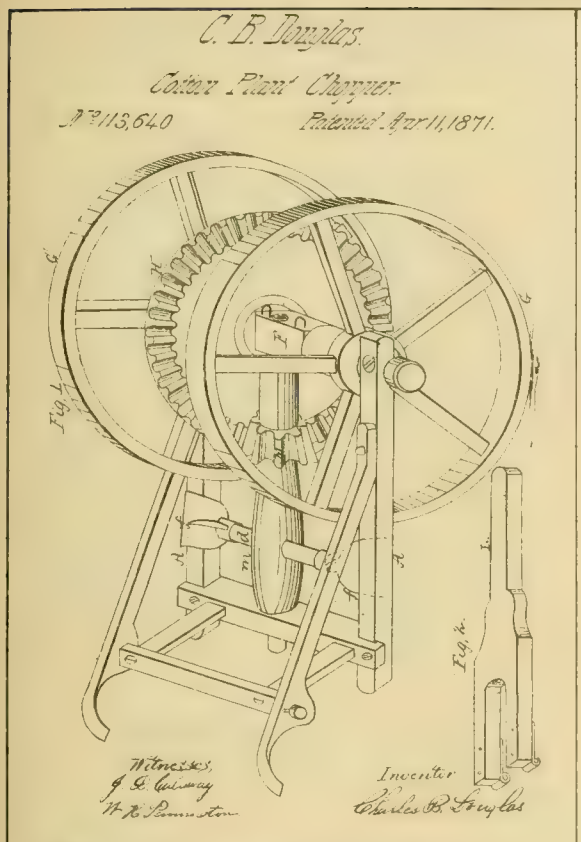
Cotton Scraper.

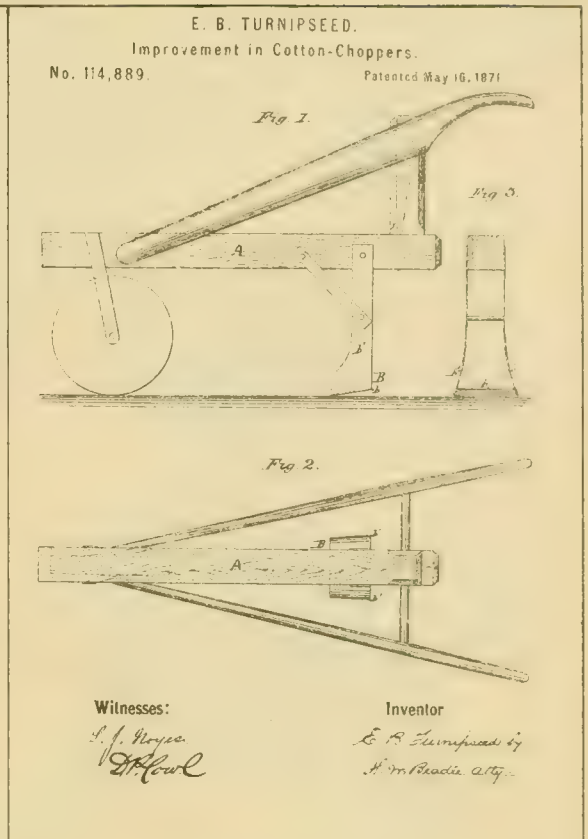
No. 113,320. Patented Apr. 4, 1871.

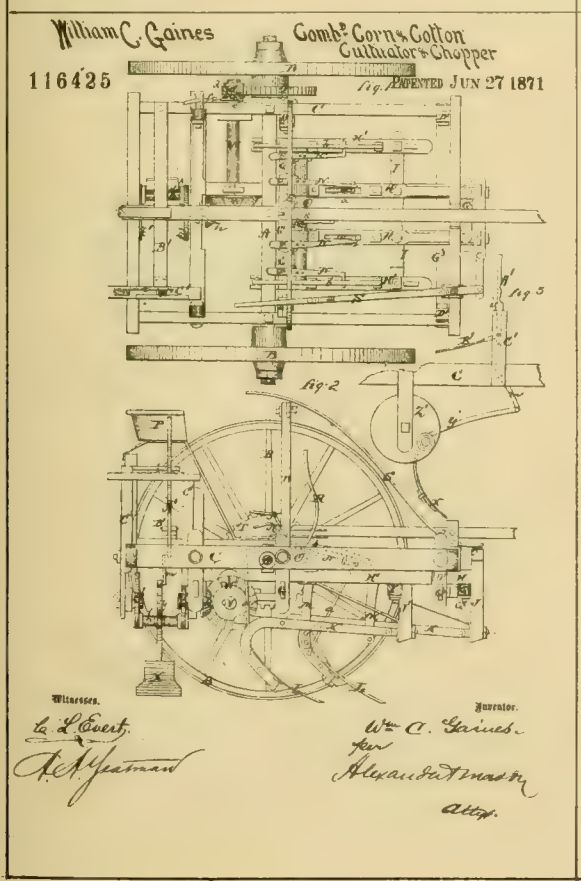


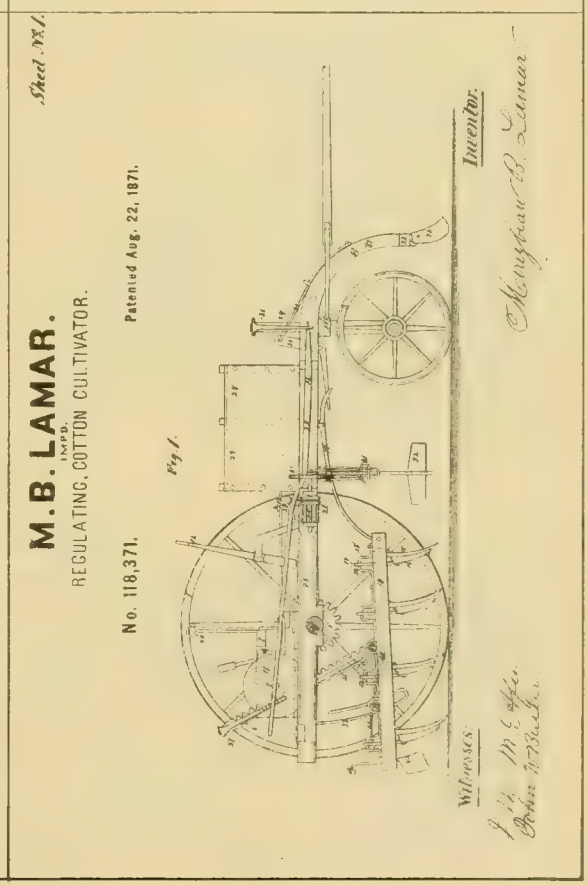
Witnesses
Horace Gray
Geo. W. Shaw

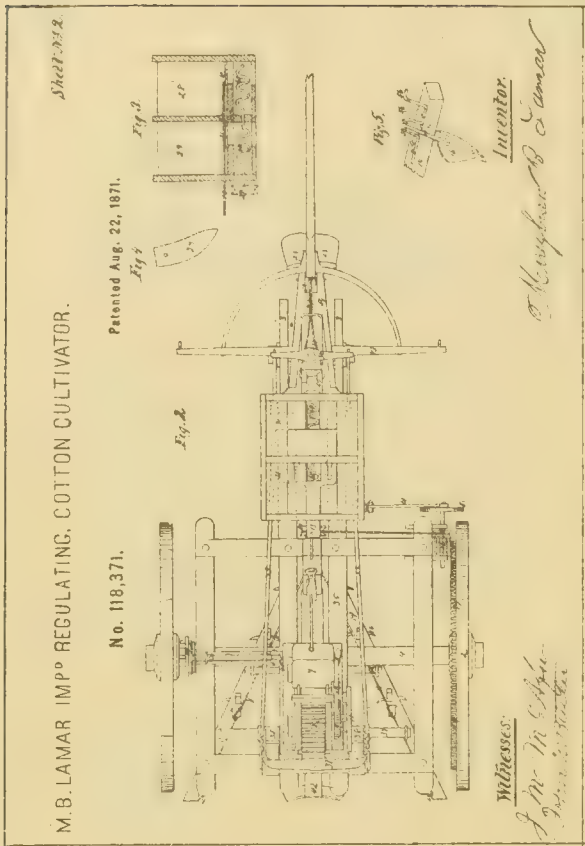
Inventor
Cyrus Marsh 2d
by Saml. S. Boyd
Atty

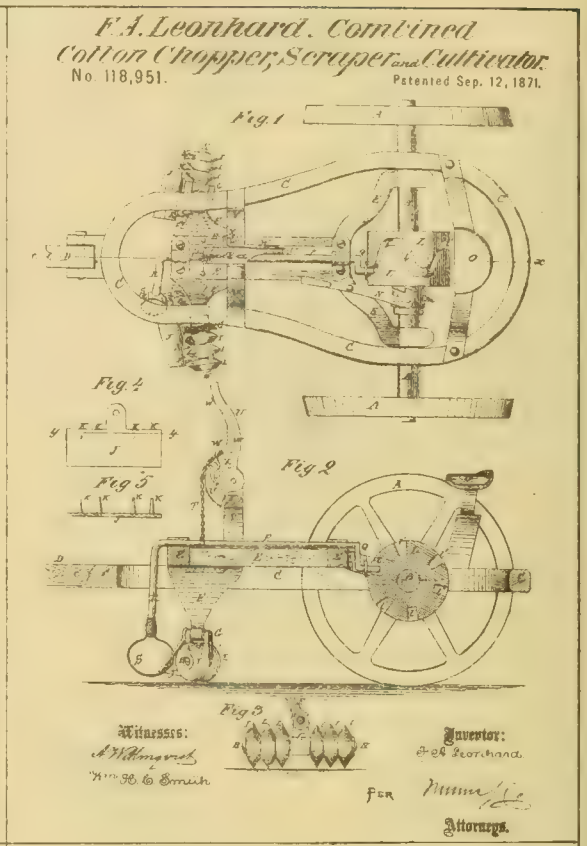

C. B. Douglas.
Cotton Plant Chopper.
No. 113,640
Patented Apr. 11, 1871.
Fig. 1.
Fig. 2.
Witnesses,
J. G. Calway
W. B. Pennington
Inventor
Charles B. Douglas

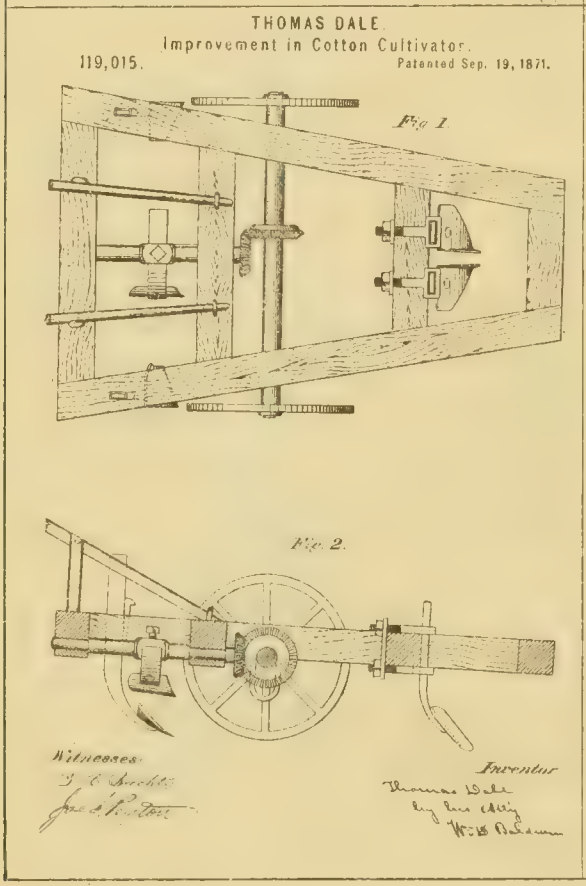

E. B. TURNIPSEED.
Improvement in Cotton-Choppers.
No. 114,889.
Patented May 16, 1871
Fig. 1.
Fig. 3.
Fig. 2.
Witnesses:
Inventor
E. B. Turnipseed by
H. M. Brady Atty.

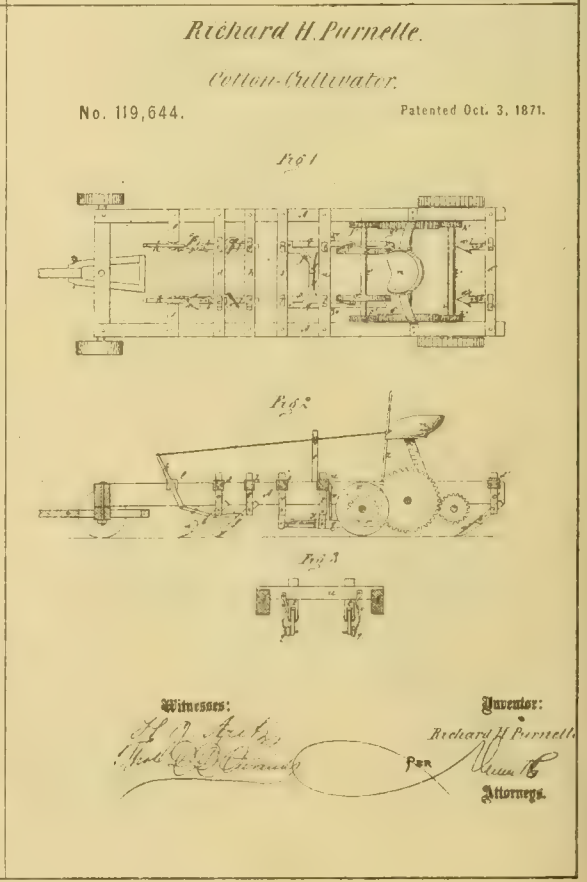

William C. Gaines
Comb'd Corn & Cotton Cultivator & Chopper
116425
Fig. PATENTED JUN 27 1871
Fig 3
Fig 2
Witnesses.
Inventor.
Wm. C. Gaines
per
Alexander Masson
Atty.


Sheet No. 1.
M. B. LAMAR.
IMP'D.
REGULATING, COTTON CULTIVATOR.
No. 118,371.
Patented Aug. 22, 1871.
Fig 1.
Inventor.
Witnesses.


M. B. LAMAR IMPº REGULATING COTTON CULTIVATOR.
No. 118,371.
Patented Aug. 22, 1871.
Sheet No. 2
Fig. 1
Fig. 2
Fig. 3
Fig. 4
Fig. 5
Inventor.
Witnesses:

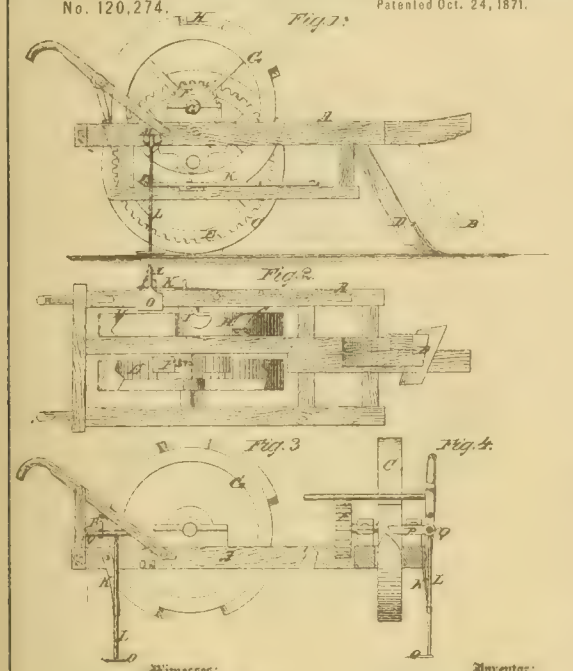

F. A. Leonhard. Combined
Cotton Chopper, Scraper and Cultivator.
No. 118,951.
Patented Sep. 12, 1871.
Fig. 1
Fig. 2
Fig. 3
Fig. 4
Fig. 5
Witnesses:
Inventor:
Attorneys.


THOMAS DALE.
Improvement in Cotton Cultivator.
119,015.
Patented Sep. 19, 1871.
Fig. 1.
Fig. 2.
Witnesses.
Inventor


Richard H. Purnelle.
Cotton-Cultivator.
No. 119,644.
Patented Oct. 3, 1871.
Fig. 1
Fig. 2
Fig. 3
Witnesses:
Inventor:
Attorneys.

J. W. Hatcher: Cotton Chopper & Scraper.

No. 120,274. Patented Oct. 24, 1871.



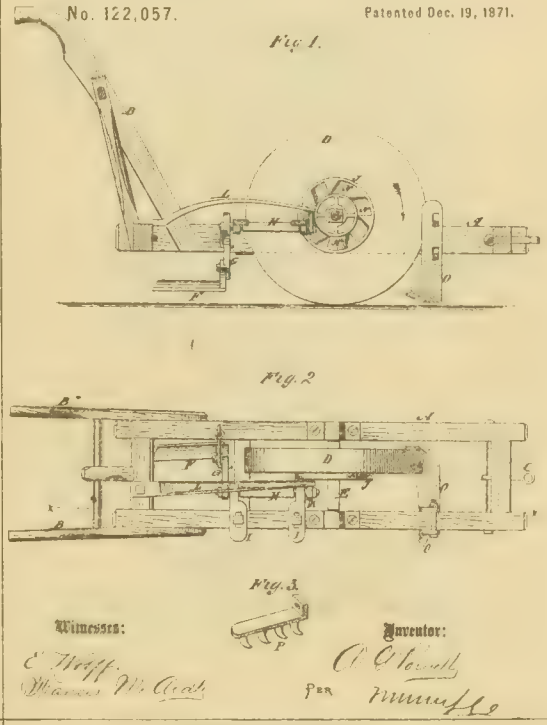
Witnesses: John Becker, Wm. H. C. Smith.

Inventor: J. W. Hatcher, per Munn & Co., Attorneys.

A. G. POWELL.

Improvement in Cotton Choppers.

No. 122,057. Patented Dec. 19, 1871.



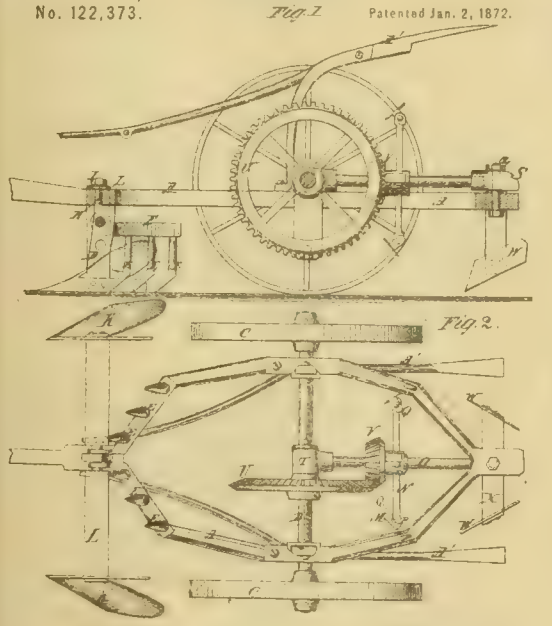
Witnesses: E. Wright, Thomas M. Avery.

Inventor: A. G. Powell, per Munn & Co.

N. EARLYWINE.

Improvement in Wheel Cultivators.

No. 122,373. Patented Jan. 2, 1872.



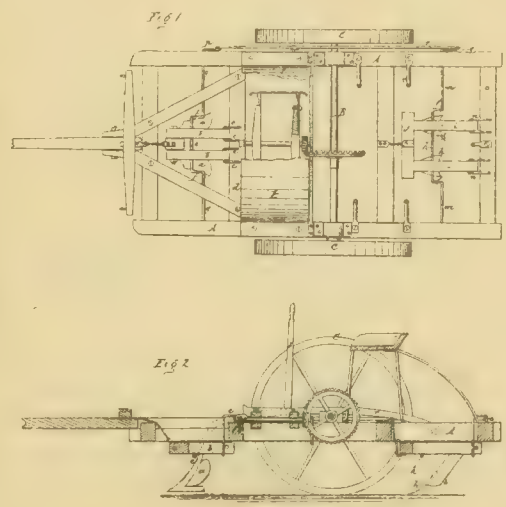
Witnesses: John Becker, Thomas M. Avery.

Inventor: N. Earlywine, per Munn & Co., Attorneys.

JAMES M. HARCROW.

Improvement in Cotton Chopper and Cultivator.

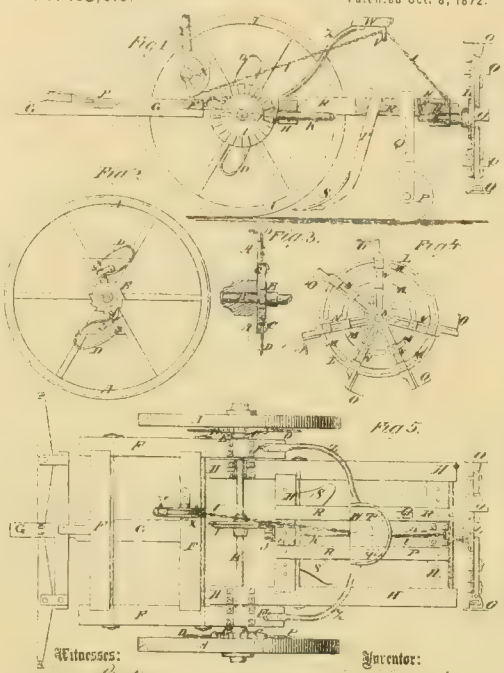
No. 125,811. Patented April 16, 1872.



Witnesses: H. C. Avery, Thos. M. Avery.

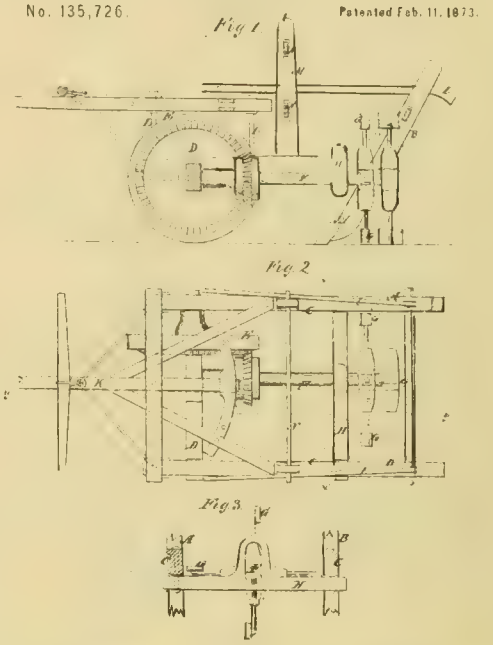
Inventor: J. M. Harcrow, per Munn & Co., Attorneys.

E. T. MATTHEWS.
Improvement in Cotton-Chopper.
No. 132,015. Patented Oct. 8, 1872.



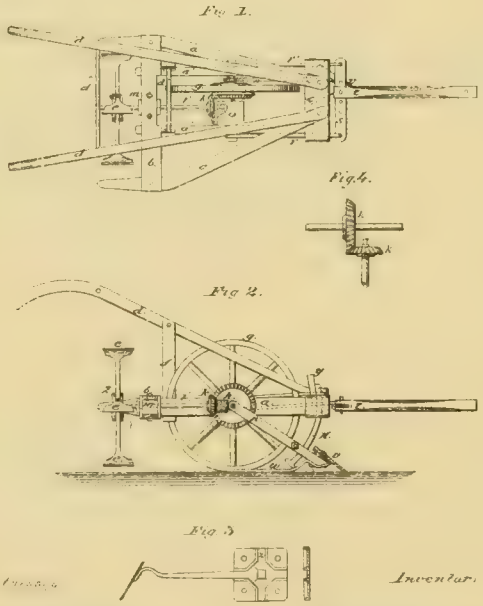
Witnesses:
Inventor:
E. T. Matthews
Per
Attorneys.

W. T. PARKER.
Cultivators.
No. 135,726. Patented Feb. 11, 1873.



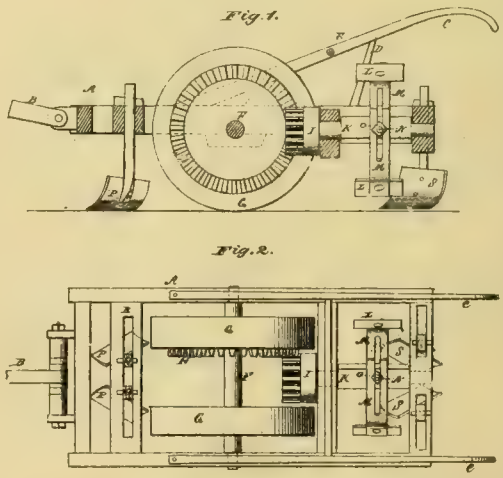
Witnesses:
Inventor:
W. T. Parker.
Per
Attorneys.

W. PRICE.
Cotton Choppers.
No. 137,715. Patented April 8, 1873.



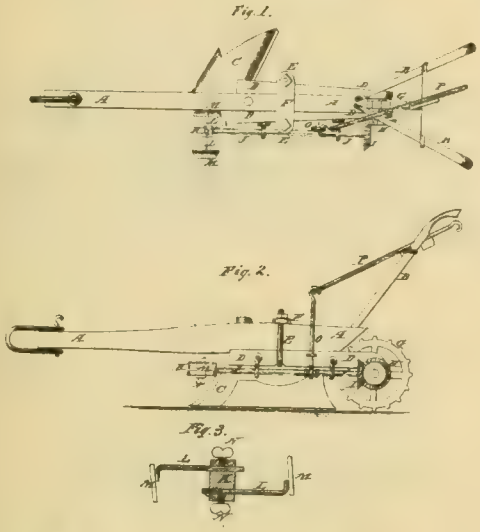
Witnesses:
Inventor.
Whitmon Price

C. F. REAMS.
Cotton Cultivators.
No. 137,959. Patented April 15, 1873.



Witnesses.
Inventor.
Cornelius F. Reams
Per.
James T. Norris
Atty.

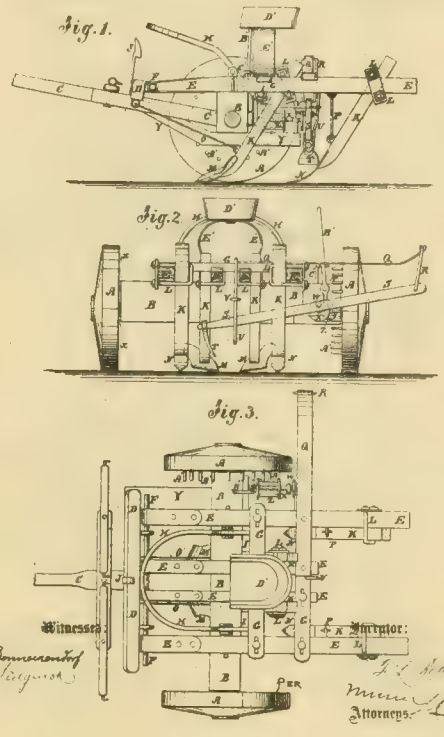
C. BAILEY & G. K. BAGBY.
Cotton-Choppers.
No. 138,363. Patented April 29, 1873.



Witnesses:
F. P. Gilbert
C. Bedgwick

Inventor:
C. Bailey
G. K. Bagby
per
Attorneys.

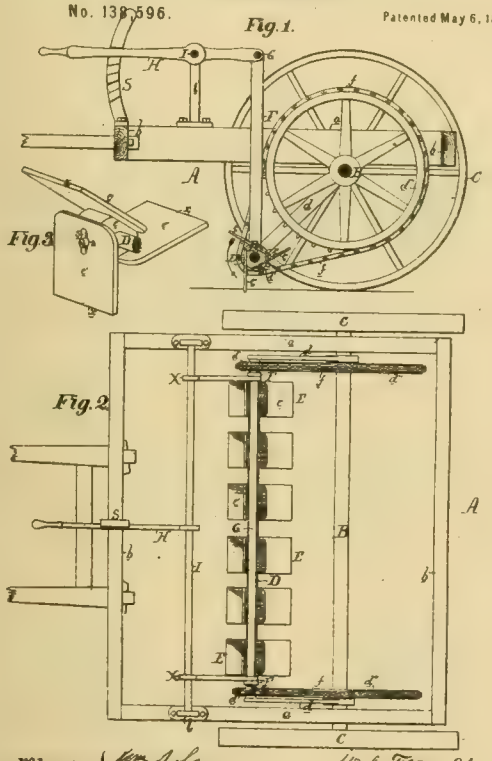
F. L. BATES.
Cotton Cultivators.
No. 138,555. Patented May 6, 1873.



Witnesses:
A. Bonneventof
C. Sedgwick

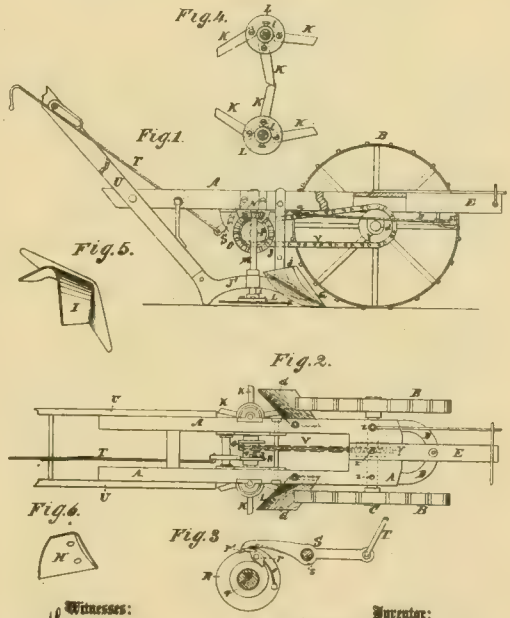
Inventor:
F. L. Bates
per
Attorneys.

W. C. TILTON.
Cotton-Choppers.
No. 138,596. Patented May 6, 1873.



Witnesses: Wm. A. Lane
W. C. Tilton

J. B. UNDERWOOD.
Combined Cotton-Choppers and Cultivators.
No. 140,746. Patented July 8, 1873.



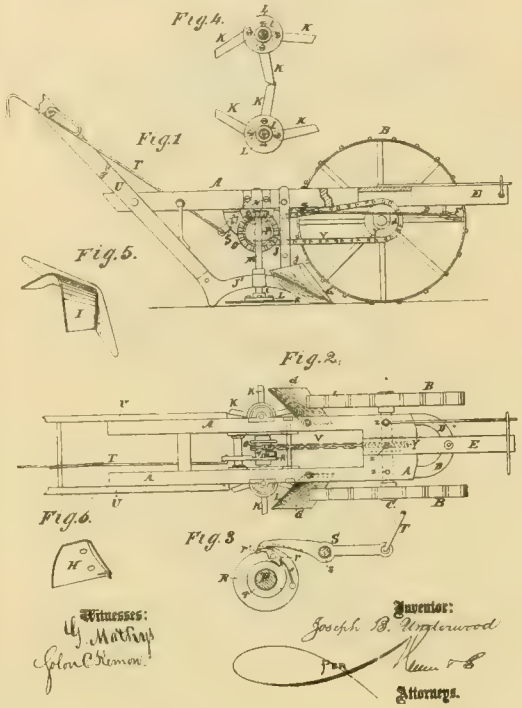
Witnesses:
G. Mottrop
John C. Lemon

Inventor:
Joseph B. Underwood
per
Attorneys.

J. B. UNDERWOOD.

Cotton-Choppers and Cultivators.

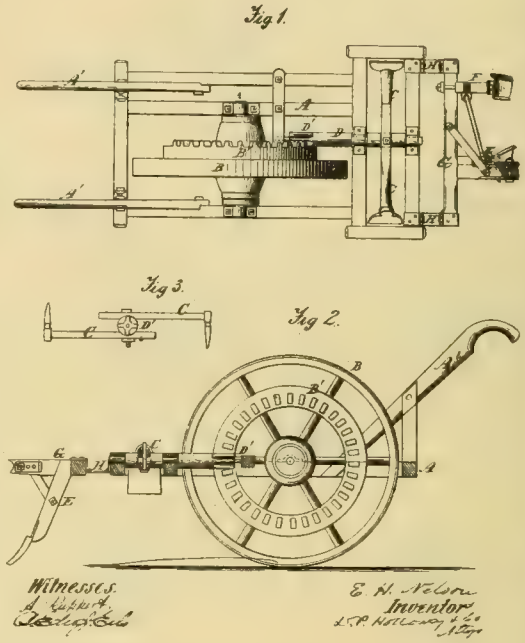
No. 5,741. Reissued Jan. 27, 1874.



E. H. NELSON.

Cotton Cultivators.

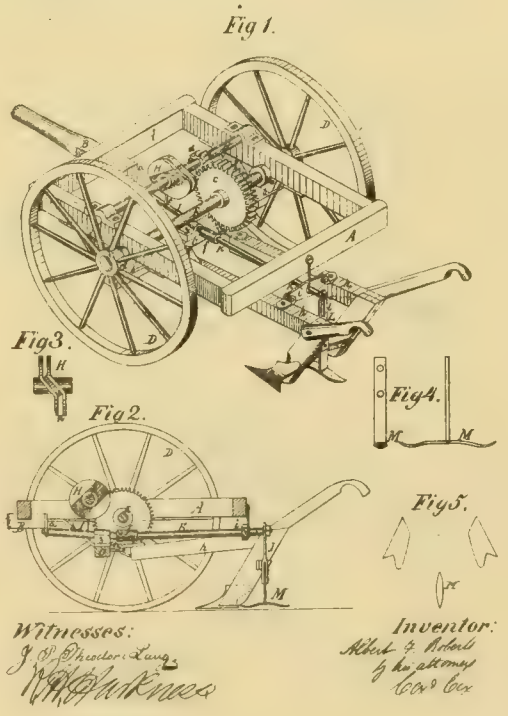
No. 142,501. Patented September 2, 1873.



A. F. ROBERTS.

Combined Cotton-Choppers and Cultivators.

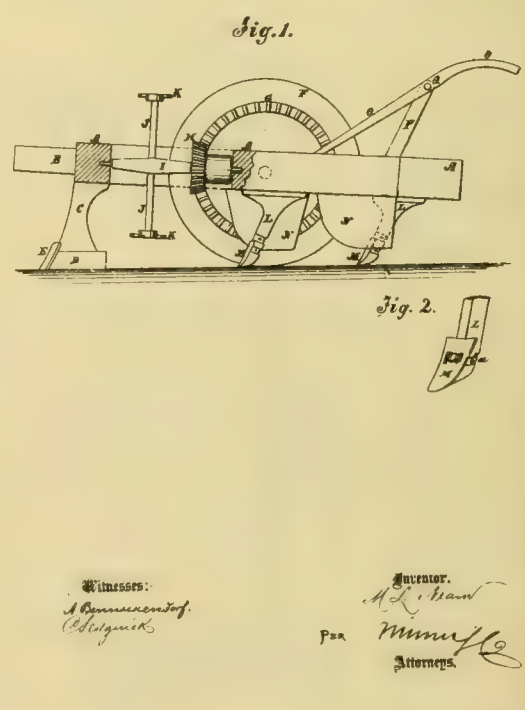
No. 143,997. Patented Oct. 28, 1873.



M. L. NEARN.

Cotton-Choppers and Cultivators.

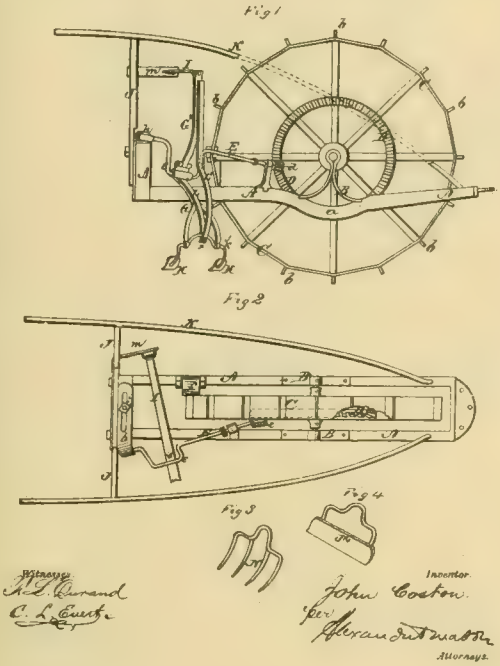
No. 144,281. Patented Nov. 4, 1873.



J. COSTON.

Cotton-Choppers.

No. 145,849. Patented Dec. 23, 1873.



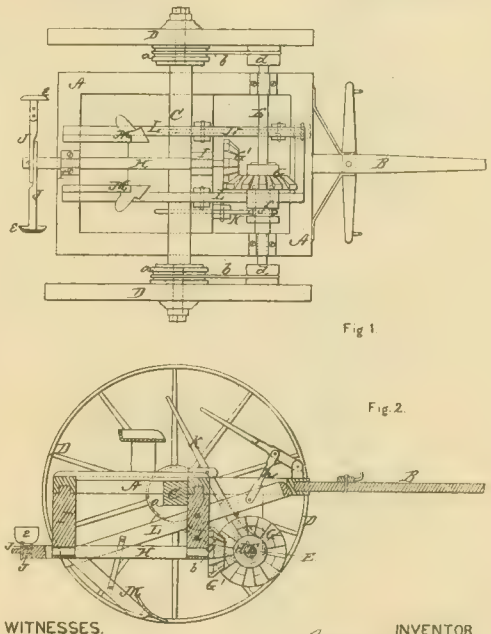
Witnesses:
A. L. Durand
C. L. Curtis

Inventor:
John Coston
per
Alexander Fitzmaurice
Attorneys.

J. M. GARRETT.

Cotton-Choppers.

No. 146,061. Patented Dec. 30, 1873.



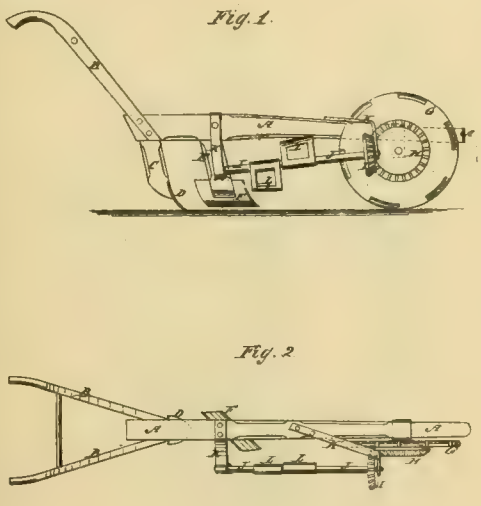
WITNESSES.
Villette Anderson.
George E. Upham.

INVENTOR.
Joseph M. Garrett
Chipman & Homer & Co.
Attorneys.

H. W. RUMFELT.

Combined Plows, Scrapers, and Choppers.

No. 146,404. Patented Jan. 13, 1874.



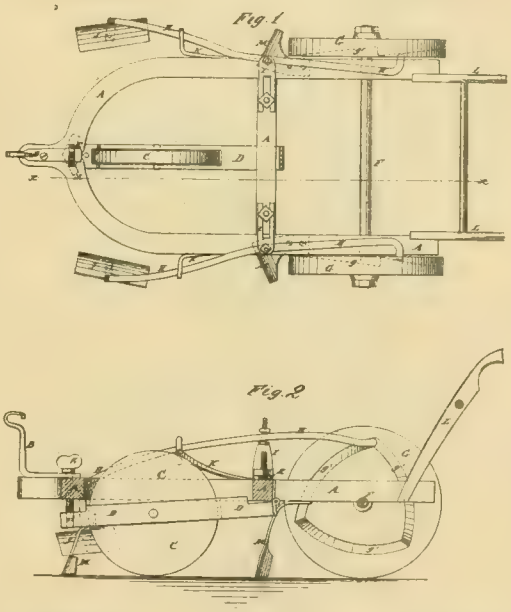
WITNESSES:
E. Wolff.
E. Kelguine

INVENTOR:
H. W. Rumfelt
BY
Munn & Co.
ATTORNEYS.

W. J. JOHNSON.

Cotton-Choppers.

No. 147,844. Patented Feb. 24, 1874.



WITNESSES:
A. W. Hongerich
E. Kelguine

INVENTOR:
W. J. Johnson
BY
Munn & Co.
ATTORNEYS.

2 Sheets--Sheet 1.

J. J. WATROUS.

Combined Gang-Plows, Cultivators, and Choppers.

No. 148,157. Patented March 3, 1874.

Fig. 1

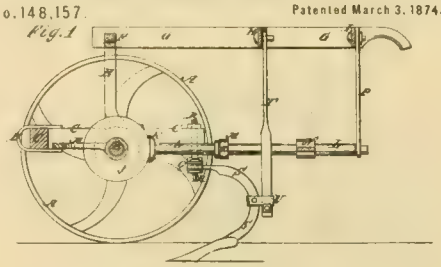
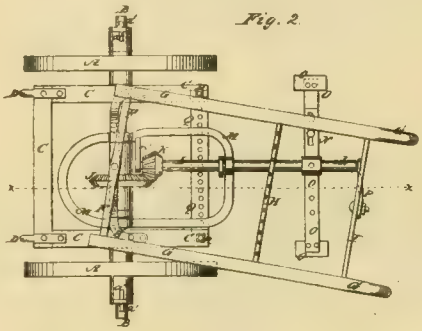


Fig. 2.



Witnesses:

E. Wolff

E. Wagenick

Inventor:

J. J. Watrous

Per

Attorneys.

2 Sheets--Sheet 2.

J. J. WATROUS.

Combined Gang-Plows, Cultivators, and Choppers.

No. 148,157. Patented March 3, 1874.

Fig. 3

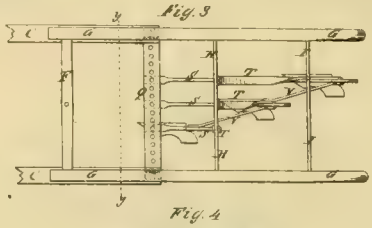


Fig. 4

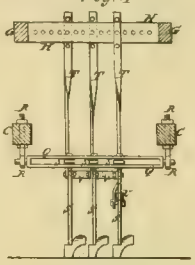
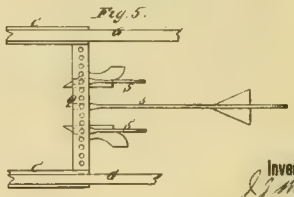


Fig. 5.



Witnesses:

E. Wolff

E. Wagenick

Inventor:

J. J. Watrous

Per

Attorneys.

T. E. MARABLE.

Cotton-Choppers.

No. 149,492. Patented April 7, 1874.

Fig. 1

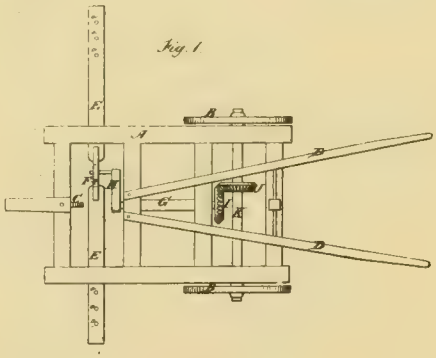


Fig. 2

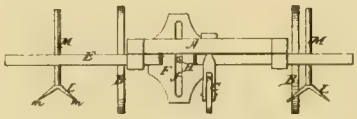


Fig 3.

Witnesses.

C. H. Brown

W. Ellsworth

Inventor

T. E. Marable

by his Attys.

Wilkt Ellsworth

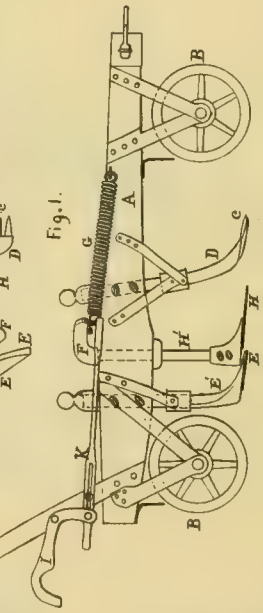
E. H. SUTTON.

Cotton-Cultivators.

No. 149,543. Patented April 7, 1874.

Fig. 2.

Fig. 1.



Witnesses.

H. A. Daniels

A. H. Parsons

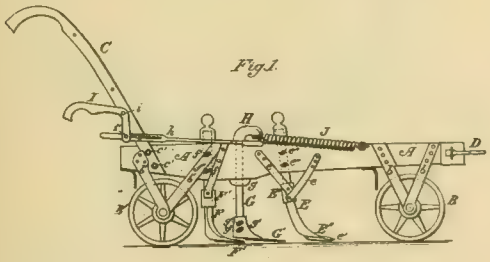
Inventor.

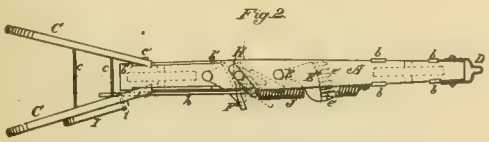
Edward H. Sutton

by Chas. S. Whitman Atty

E. H. SUTTON.
Cotton-Cultivator.

No. 7,955. Reissued Nov. 20, 1877.



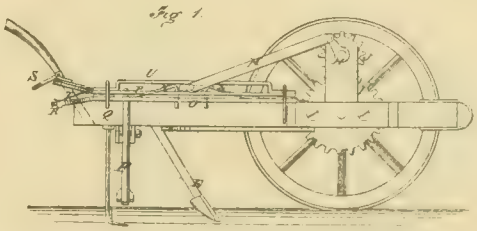


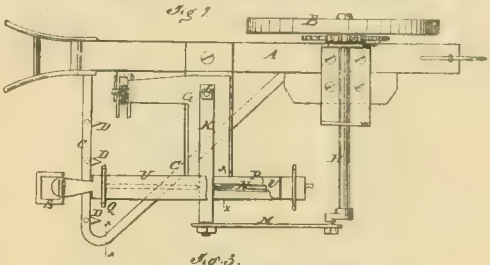
Witness:
D. A. Salter
M. Mumbrugher

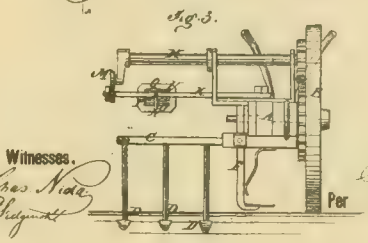
Inventor:
Edward H. Sutton
By Newton Bosworth
Atty.

C. T. DOLLAHON.
Cotton-Scrapers and Thinners.

No. 149,923. Patented April 21, 1874.





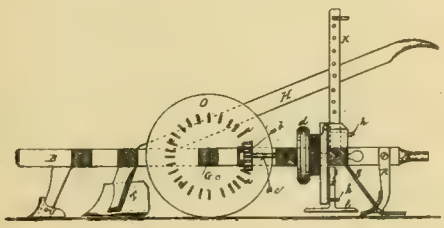


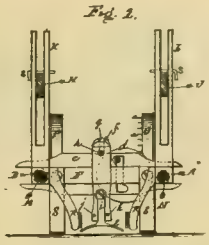
Witnesses.
Chas Nida
C. Sedgwick

Inventor.
C. T. Dollahon
Per
Munn & Co

W. H. WASH.
Cotton-Cultivators.

No. 150,448. Patented May 5, 1874.



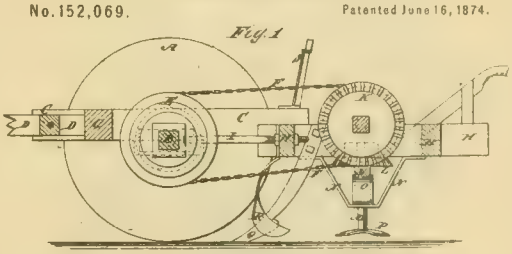


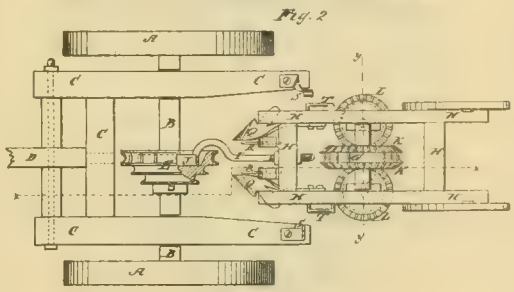
Witnesses:
Richard Gerner
Geo. Tuckerman

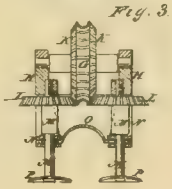
Inventor.
Wm. H. Wash
Per
Henry Gerner
Atty

T. C. BURNHAM.
Cotton-Cultivators.

No. 152,069. Patented June 16, 1874.







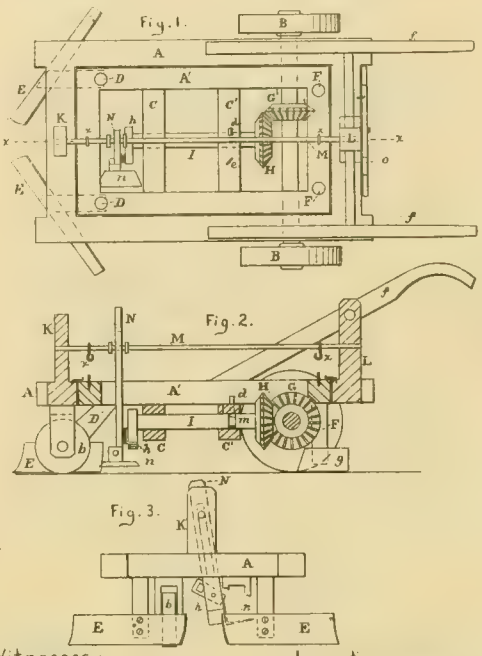
WITNESSES:
E. Wolff
C. Sedgwick

INVENTOR:
T. C. Burnham
BY
Munn & Co
ATTORNEYS.

P. D. ROBBINS.

Cotton Cultivators.

No. 152,304. Patented June 23, 1874.



Witnesses:
H. H. Daniels
Carroll Webster

Inventor:
Parker D. Robbins
by H. H. Howard, Atty.

Sheets--Sheet 1.

K. McKINNON.

Cotton Choppers and Cultivators.

No. 153,837. Patented Aug. 4, 1874.

FIG I

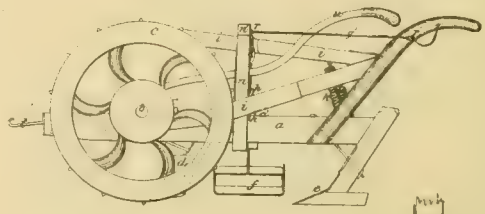
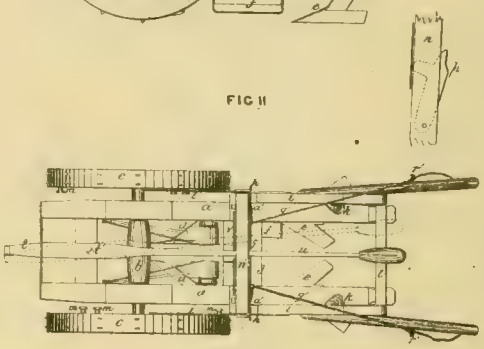


FIG II



WITNESSES
J. H. Rutherford
John A. Lang

INVENTOR
Kenneth McKinnon
by Johnson and Johnson
his Attorneys

2 Sheets--Sheet 2.

K. McKINNON.

Cotton Choppers and Cultivators.

No. 153,837. Patented Aug. 4, 1874.

FIG III

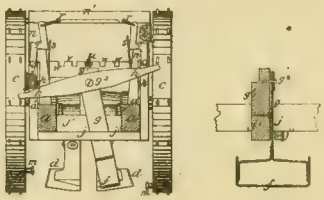
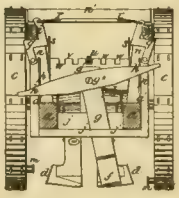


FIG IV



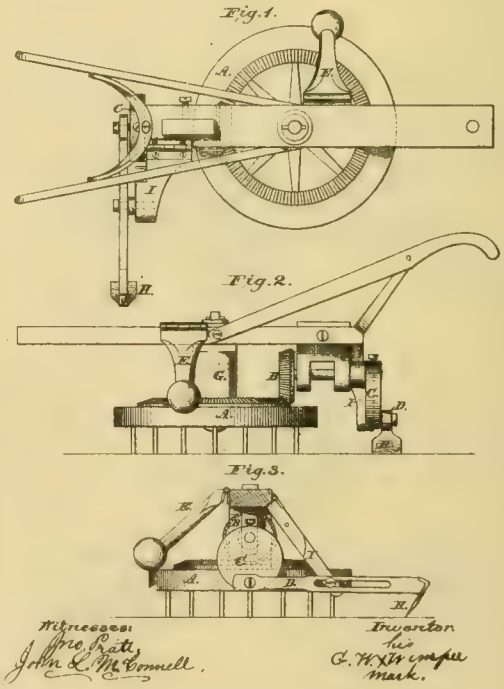
WITNESSES
J. H. Rutherford
John A. Lang

INVENTOR
Kenneth McKinnon
by Johnson & Johnson
his Attorneys

G. W. WIMPEE.

Cotton Harrows and Choppers.

No. 154,110. Patented Aug. 11, 1874.



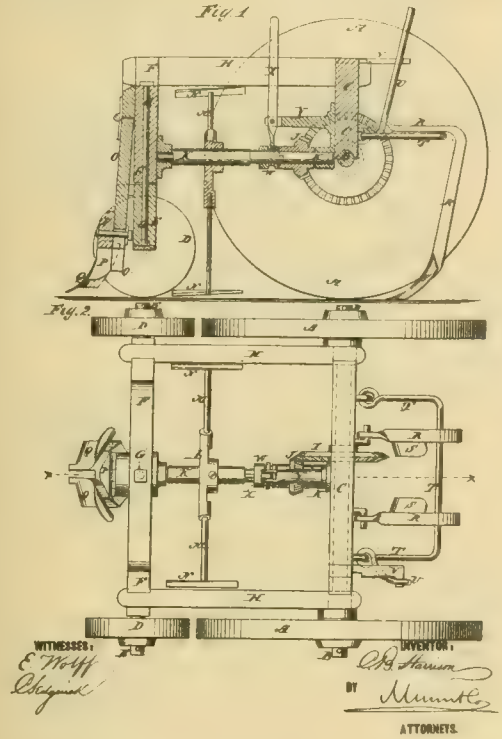
Witnesses:
Geo. Pratt,
John L. McConnell.

Inventor
his
G. W. X Wimpee
mark.

C. B. HARRISON.

Choppers and Cultivators.

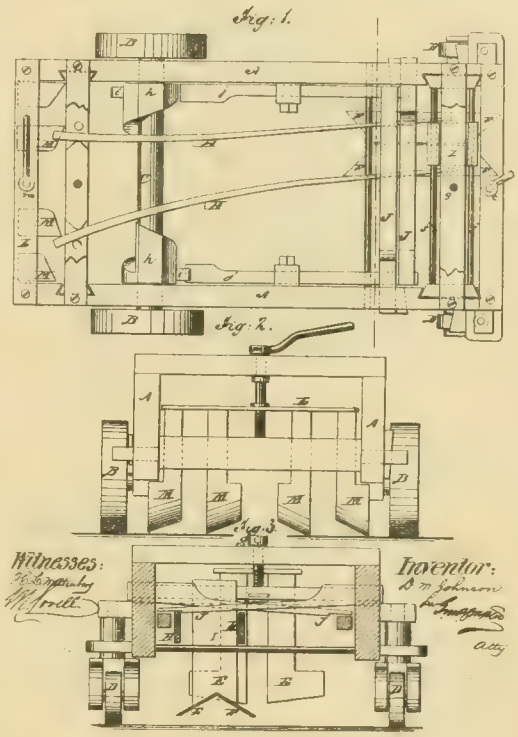
No. 155,945. Patented Oct. 13, 1874.



D. M. JOHNSON.

Cotton-Cultivators.

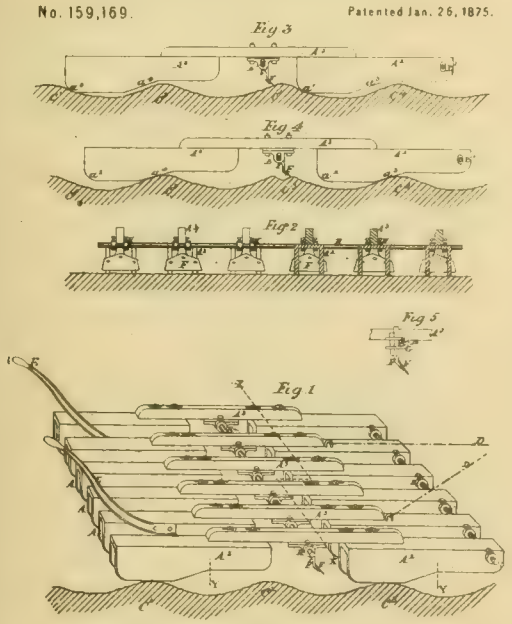
No. 156,164. Patented Oct. 20, 1874.



M. EUSTACE.

Machine for Thinning Crops.

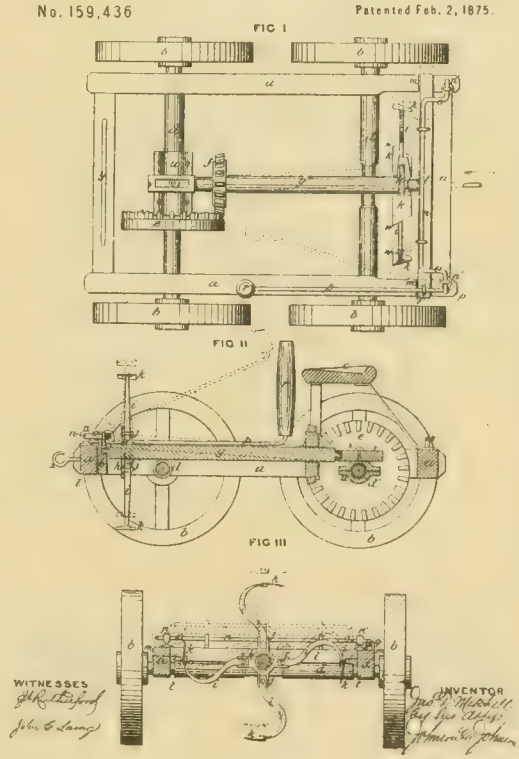
No. 159,169. Patented Jan. 26, 1875.



J. D. MITCHELL.

Cotton-Chopper.

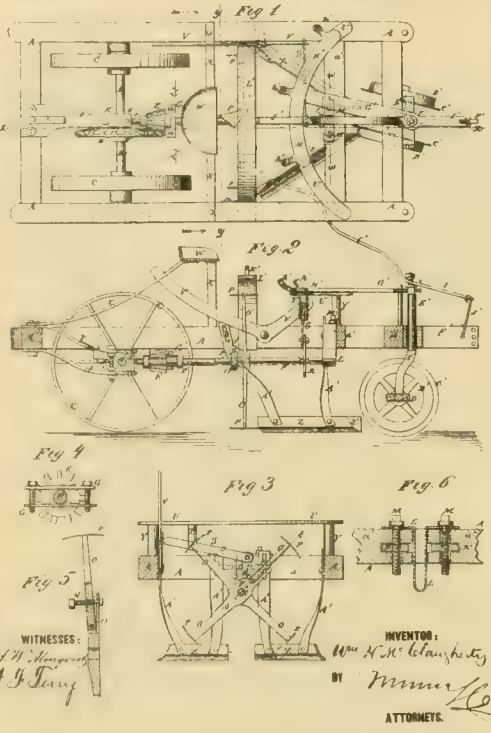
No. 159,436 Patented Feb. 2, 1875.



W. H. McCLAUGHERTY.

Cotton Scraper and Chopper

No. 160,111 Patented Feb. 23, 1875



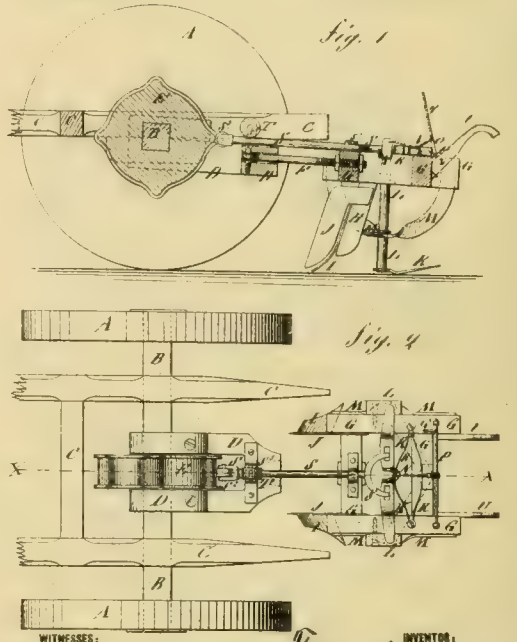
WITNESSES:
A. H. Montgomery
A. F. Ferry

INVENTOR:
Wm. H. McClaugherty
BY Munn & Co
ATTORNEYS.

T. C. BURNHAM.

Cotton-Chopper.

No. 160,811 Patented March 16, 1875



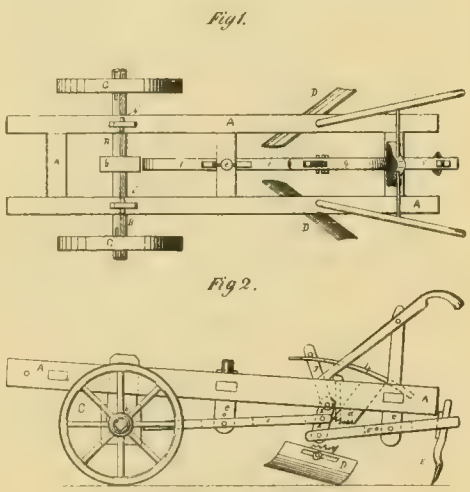
WITNESSES:
E. Newman
A. F. Ferry

INVENTOR:
Theodore C. Burnham
BY Munn & Co
ATTORNEYS.

J. G. MICKLE & F. F. DEARRING.

Cotton-Chopper.

No. 160,937 Patented March 16, 1875.



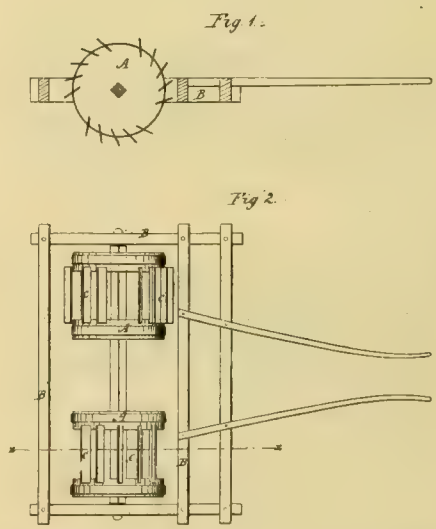
Witnesses:
J. H. Theodore Lang.
S. K. Wingate

Inventors
John G. Mickle
Frankin F. Dearring
By James R. Keasby
Attorney.

W. D. EVANS.

Cotton-Chopper.

No. 166,597. Patented Aug. 10, 1875.



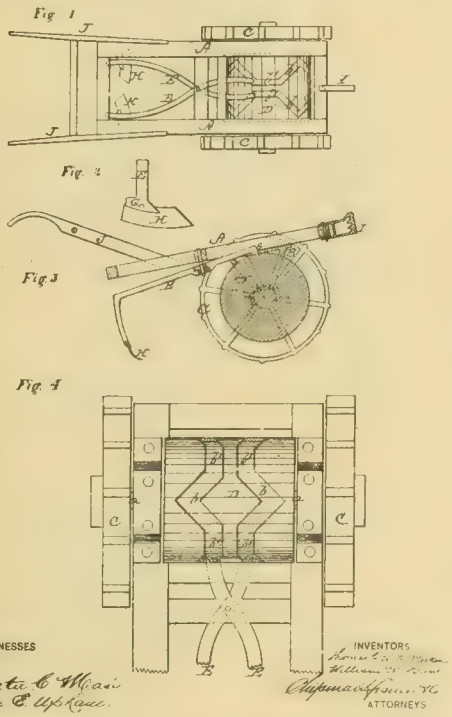
WITNESSES:
W. W. Hollingsworth
Peter O'Kennon

INVENTOR:
Wm. D. Evans
BY Munn & Co
ATTORNEYS.

T. G. W. McMEEKIN & W. W. HUNT.

Cotton-Chopper.

No. 169,185. Patented Oct. 26, 1875.



WITNESSES

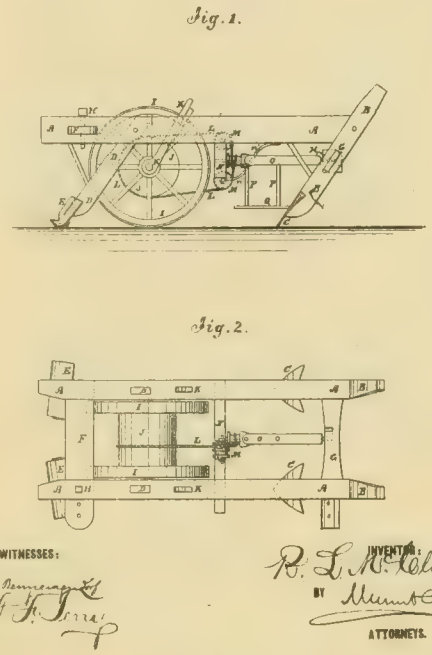
INVENTORS

ATTORNEYS

R. L. McCLUNG.

COTTON-SCRAPER, CHOPPER, AND CULTIVATOR.

No. 169,462. Patented Nov. 2, 1875.



WITNESSES:

INVENTOR:

BY

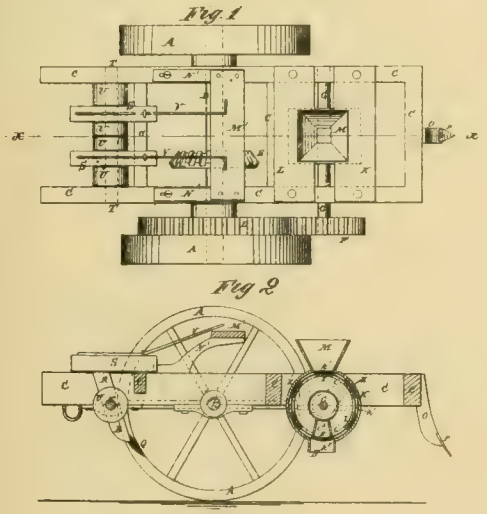
ATTORNEYS.

2 Sheets—Sheet 1

A. L. SPENCE.

COMBINED SCRAPER, CHOPPER AND DIRTER.

No. 172,193. Patented Jan. 11, 1876.



WITNESSES:

INVENTOR:

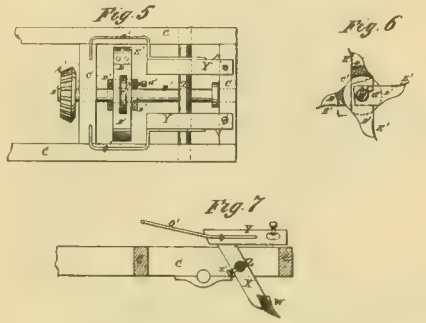
BY

2 Sheets—Sheet 2.

A. L. SPENCE.

COMBINED SCRAPER, CHOPPER AND DIRTER.

No. 172,193. Patented Jan. 11, 1876.



WITNESSES:

INVENTOR:

BY

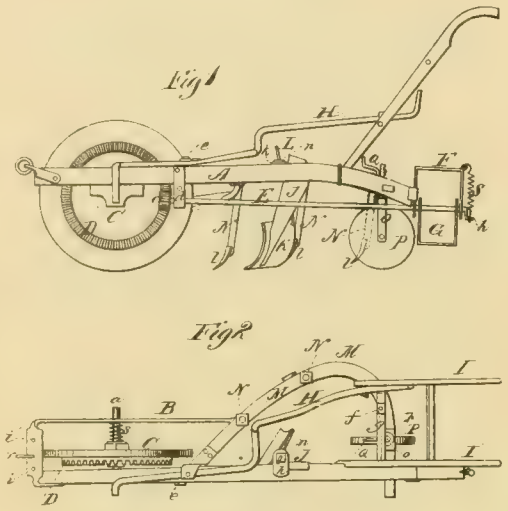
ATTORNEYS.

2 Sheets—Sheet 1.

L. EWING.

COTTON SCRAPER.

No. 174,507. Patented March 7, 1876.



WITNESSES

INVENTOR

Leander Ewing

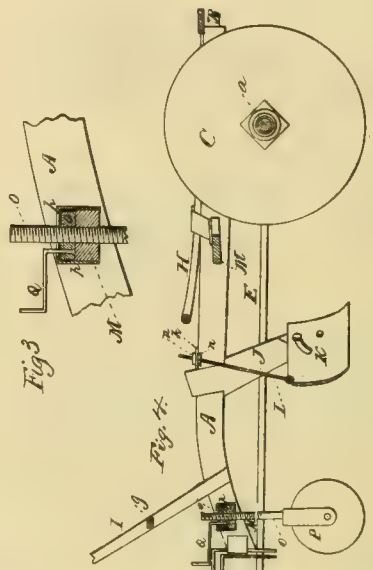
ATTORNEYS

2 Sheets—Sheet 2.

L. EWING.

COTTON SCRAPER.

No. 174,507. Patented March 7, 1876



WITNESSES

INVENTOR

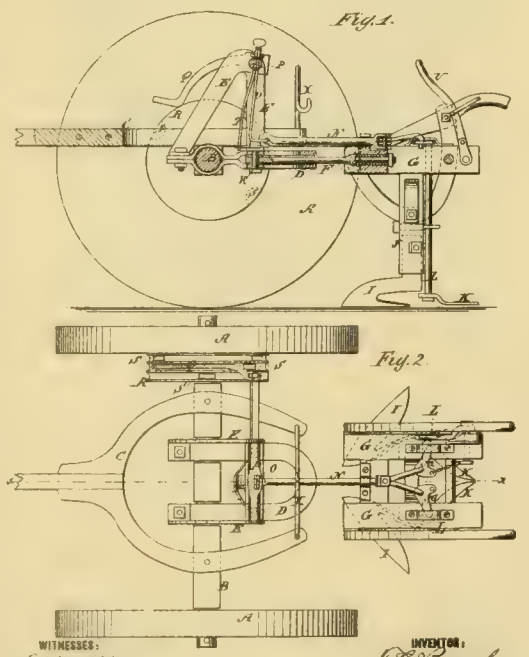
Leander Ewing

ATTORNEYS

T. C. BURNHAM.

COTTON-CHOPPER

No. 180,195. Patented July 25, 1876.



WITNESSES:

INVENTOR:

T. C. Burnham

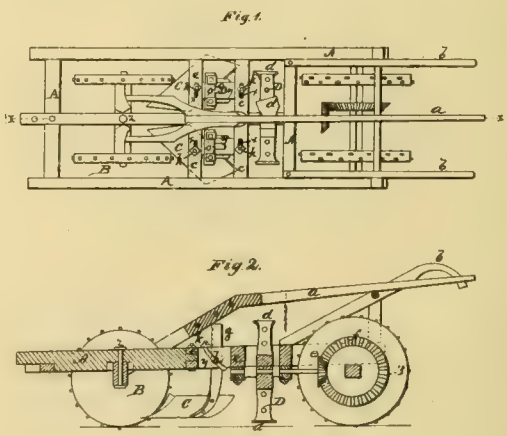
BY

ATTORNEYS.

W. M. SANDERS.

COTTON CHOPPER AND SCRAPER.

No. 181,211. Patented Aug. 15, 1876.



WITNESSES

Henry N. Miller

Franck L. Durand

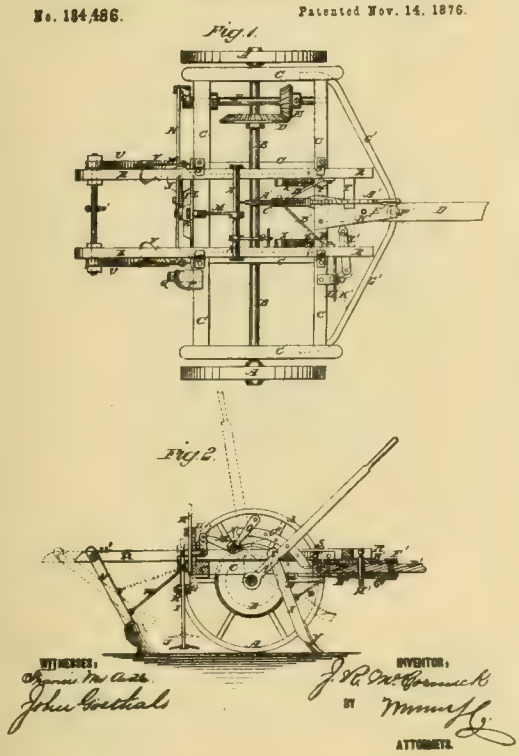
INVENTOR

Wm. M. Sanders.

By Alexander Hendson

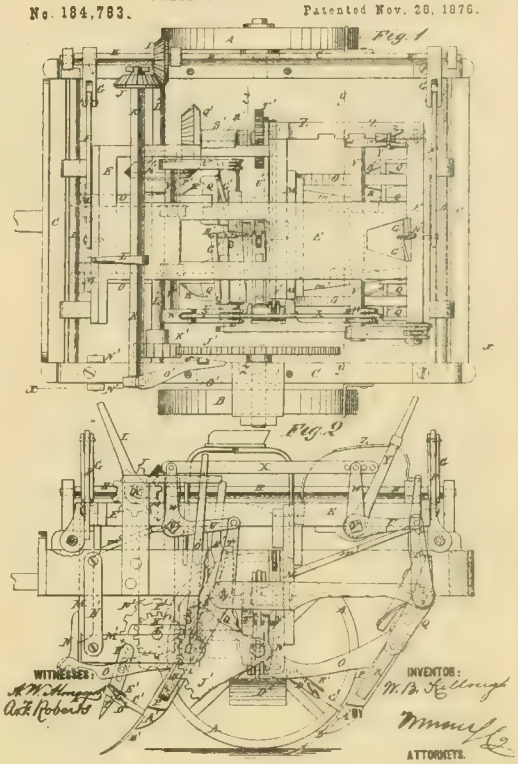
Attorneys.

J. R. McCORMICK.
COTTON-CHOPPER.
No. 184,486. Patented Nov. 14, 1876.



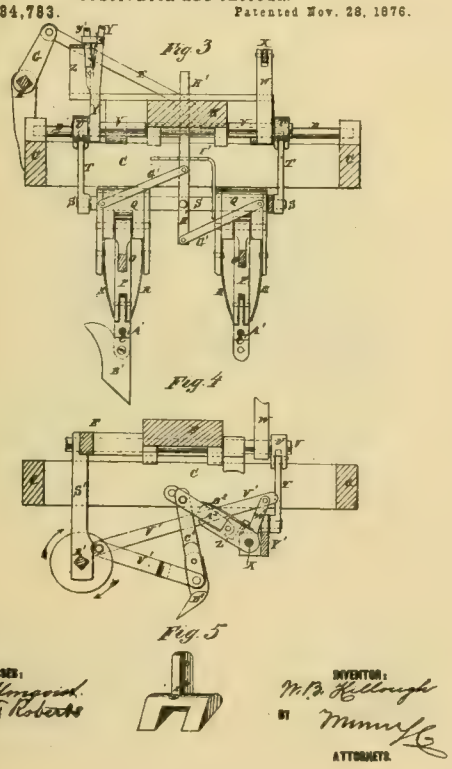
2 Sheets—Sheet 1

W. B. KILLOUGH.
CULTIVATOR AND CHOPPER.
No. 184,783. Patented Nov. 28, 1876.

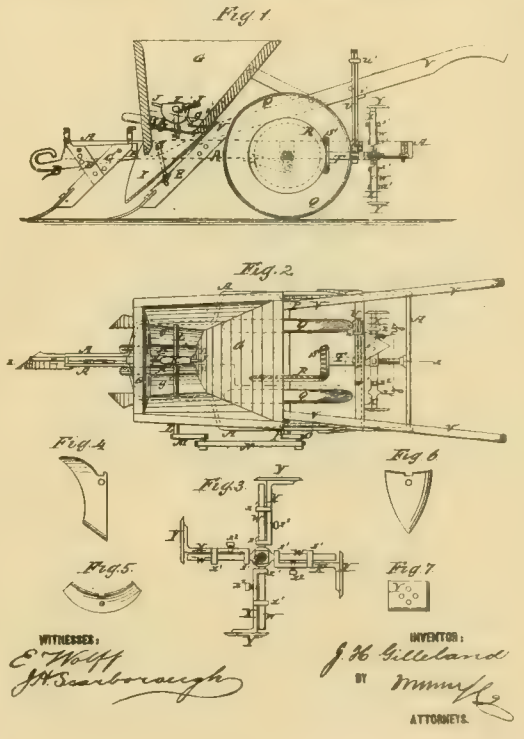


2 Sheets—Sheet 2.

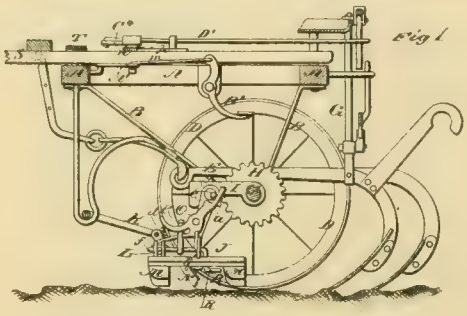
W. B. KILLOUGH.
CULTIVATOR AND CHOPPER.
No. 184,783. Patented Nov. 28, 1876.

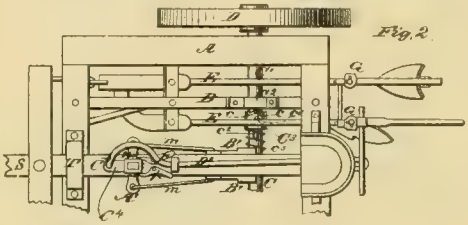


J. H. GILLELAND.
COTTON-CHOPPER.
No. 185,916. Patented Jan. 2, 1877.



J. M. GARDNER.
CULTIVATOR AND COTTON CHOPPER.
No. 186,571. Patented Jan. 23, 1877

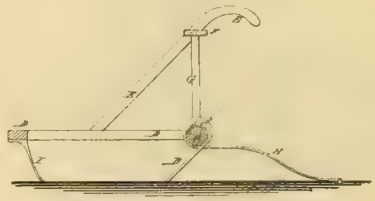


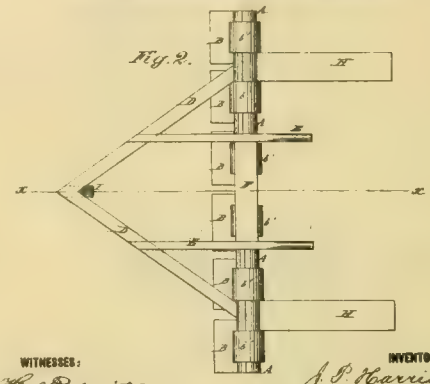


WITNESSES
E. H. Bates
George E. Upham

INVENTOR
Jefferson M. Gardner
Gilmore, Smith & Co.
ATTORNEYS.

J. P. HARRISSON.
COTTON-CHOPPER.
No. 188,895. Patented March 27, 1877.



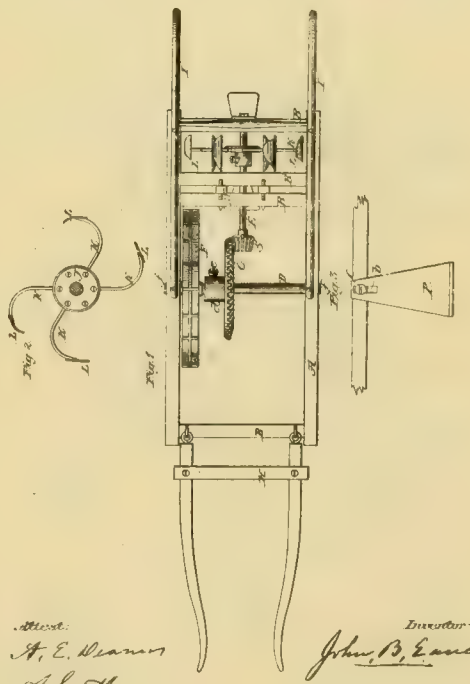


WITNESSES:
H. C. Ryderwitt
J. H. Scarborough

INVENTOR:
J. P. Harrisson
BY
ATTORNEYS.

3 Sheets—Sheet 1.

J. B. EAVES.
COTTON-CHOPPER.
No. 189,347. Patented April 10, 1877.

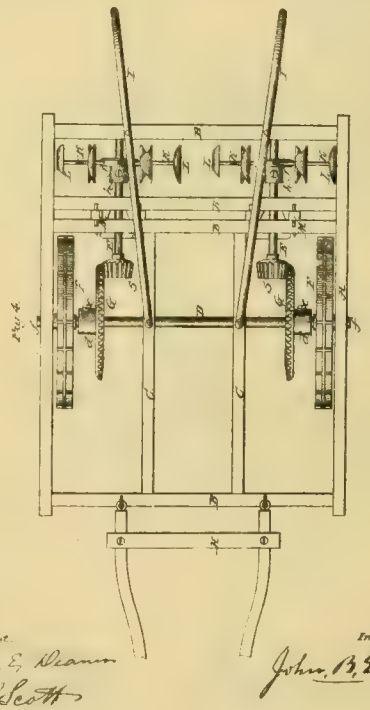


Attest:
H. E. Deane
A. Scott

Inventor:
John B. Eaves.

3 Sheets—Sheet 2.

J. B. EAVES.
COTTON-CHOPPER.
No. 189,347. Patented April 10, 1877.



Attest:
H. E. Deane
A. Scott

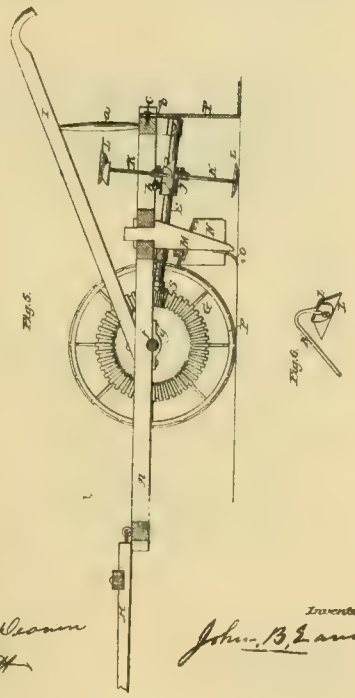
Inventor
John B. Eaves

3 Sheets—Sheet 3

J. B. EAVES.

COTTON-CHOPPER.

No. 189,347. Patented April 10, 1877.



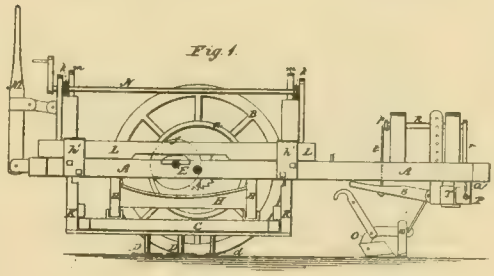
Witnesses:
A. E. Deamer
A. Scott

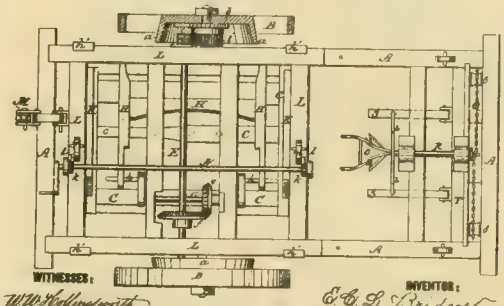
Inventor:
John B. Eaves

E. C. L. BRIDGES.

COMBINED COTTON-CHOPPER AND SCRAPER.

No. 190,815. Patented May 15, 1877.





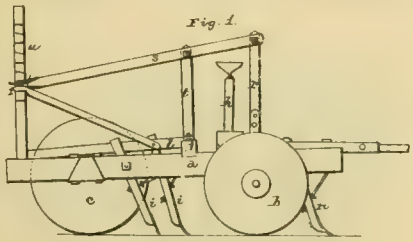
WITNESSES:
W. W. Hollingsworth
Solon Kennon

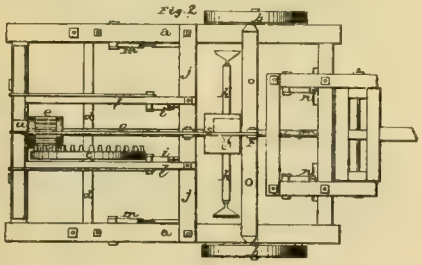
INVENTOR:
E. C. L. Bridges
BY
Munn & Co.
ATTORNEYS.

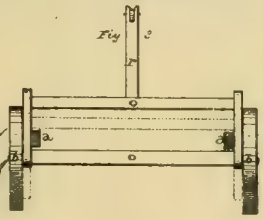
G. W. BANKS.

COTTON-CHOPPER.

No. 191,219. Patented May 29, 1877.







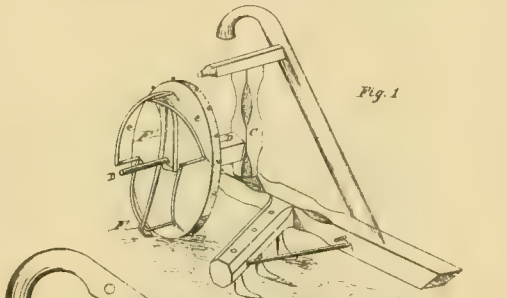
WITNESSES
W. Garner

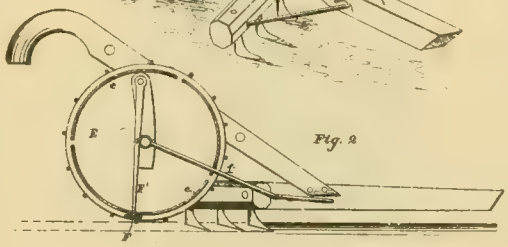
INVENTOR
G. W. Banks
by
F. O. Schumann
atty

J. F. PRICE.

COTTON-HARROW AND CHOPPER.

No. 193,830. Patented Aug. 7, 1877.





Witnesses:
J. N. Pigg
C. G. Chapman

Inventor:
J. F. Price

S. N. CAMP.
Cotton-Chopper.

No. 198,274. Patented Dec. 18, 1877.

Fig. 1.

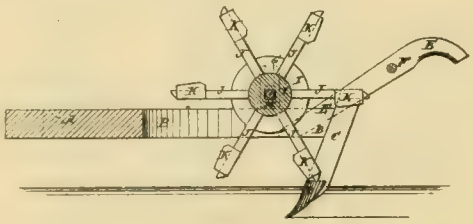
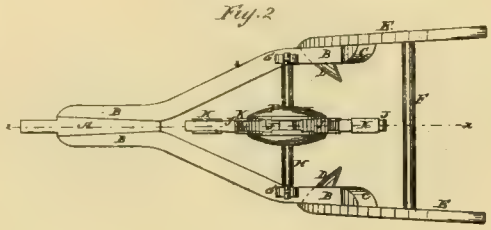


Fig. 2



WITNESSES:
E. Wolff
J. H. Scarborough

INVENTOR:
S. N. Camp.
BY Munn & Co.
ATTORNEYS.

J. MOORE.
Sod-Cutter and Cotton-Chopper.

No. 200,327. Patented Feb. 12, 1878.

Fig. 1.

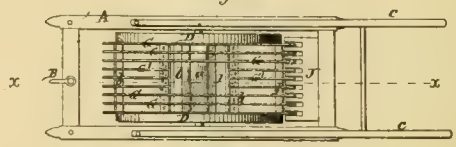
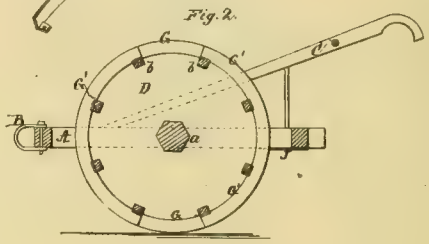


Fig. 3.

Fig. 2.

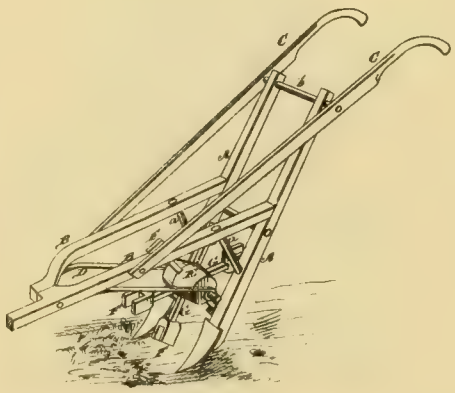


WITNESSES
Henry N. Miller
Harry Gall

INVENTOR
John Moore,
Munn & Co.
ATTORNEYS

F. E. GLOVER.
Cotton-Chopper.

No. 201,240. Patented March 12, 1878.



WITNESSES
Geo. Everett
Jno. J. Shelby

INVENTOR.
François E. Glover.
Munn & Co.
ATTORNEYS.

T. J. BROWN.
Horse Hoe and Cultivator.

No. 201,645. Patented March 26, 1878.

Fig. 1.

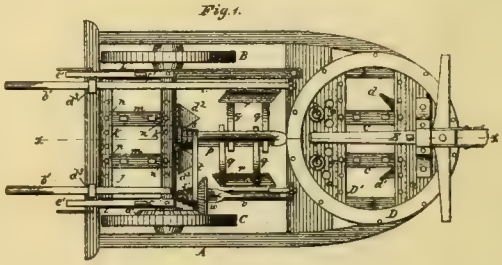
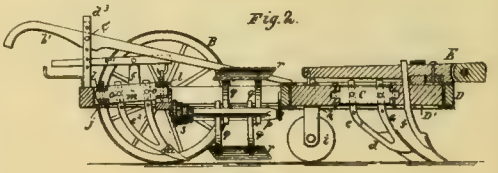


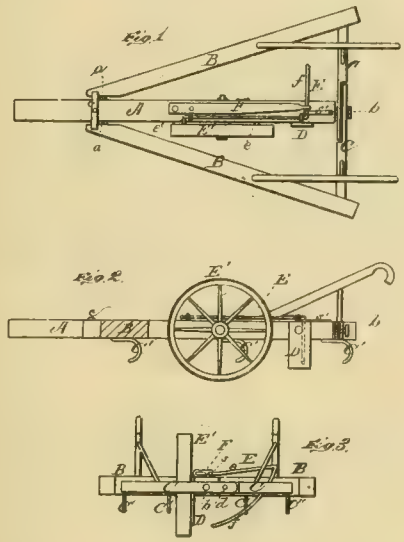
Fig. 2.



WITNESSES:
Henry N. Miller
C. Sedgwick

INVENTOR:
T. J. Brown
BY Munn & Co.
ATTORNEYS.

W. MULLENS.
Combined Cotton Chopper and Cultivator.
No. 206,347. Patented July 23, 1878.

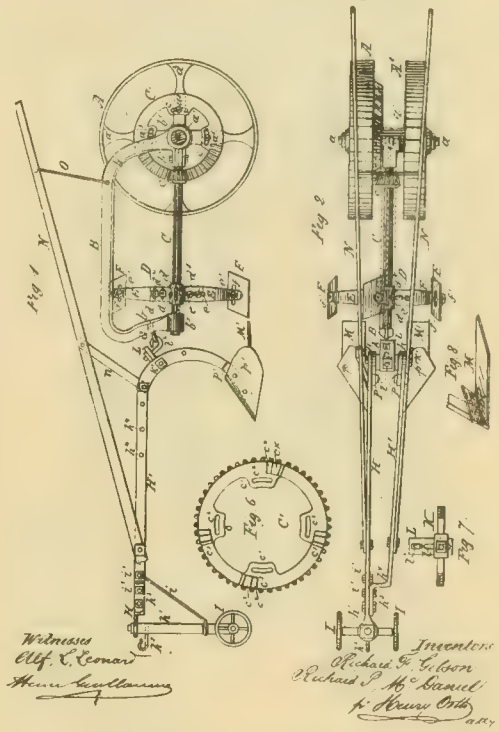


WITNESSES
H. Watts
J. J. Mase.

INVENTOR
William Mullens
by E. W. Anderson,
ATTORNEY

2 Sheets—Sheet 1

R. F. GIBSON & R. P. McDANIEL.
Combined Cotton Scraper and Chopper.
No. 206,871. Patented Aug. 13, 1878.

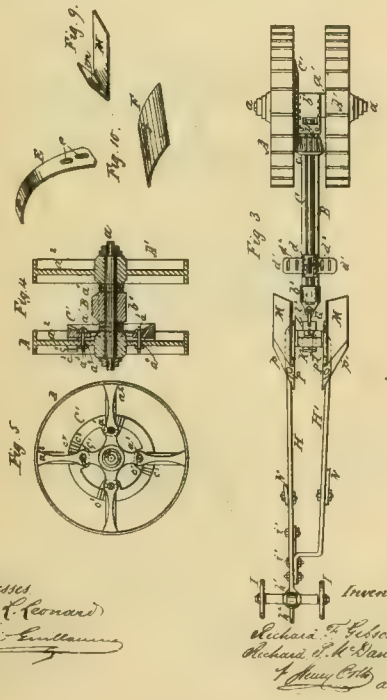


Witnesses
Alf. C. Leonard
Henri Guillaume

Inventors
Richard F. Gibson
Richard P. McDaniel
by Henry Orth
atty

2 Sheets—Sheet 2.

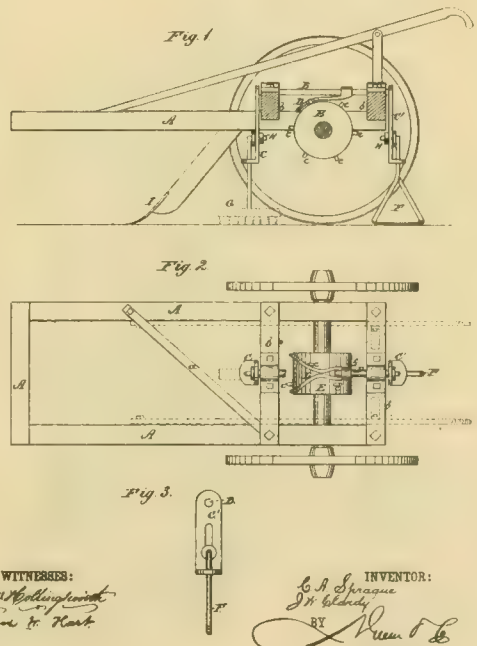
R. F. GIBSON & R. P. McDANIEL.
Combined Cotton Scraper and Chopper.
No. 206,871. Patented Aug. 13, 1878.



Witnesses
Alf. C. Leonard
Henri Guillaume

Inventors
Richard F. Gibson
Richard P. McDaniel
by Henry Orth
atty

C. A. SPRAGUE & J. W. CLARDY.
Cotton Chopper and Rake.
No. 210,574. Patented Dec. 3, 1878.

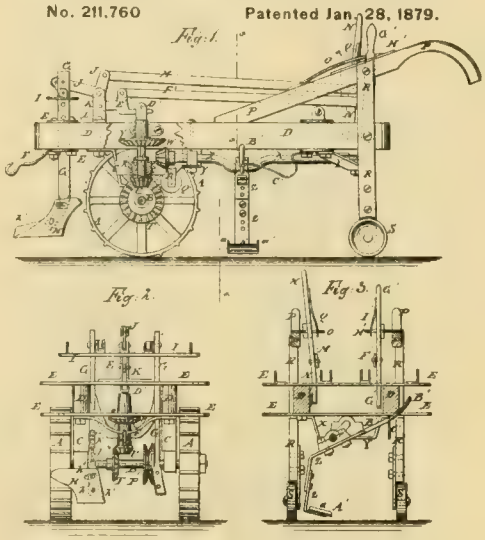


WITNESSES:
W. W. Rollinghoff
Anna F. Hart

INVENTOR:
C. A. Sprague
J. W. Clardy
BY
Wm. D. Lee
ATTORNEYS.

J. W. McMILLAN.
Combined Chopper and Cultivator.

No. 211,760 Patented Jan. 28, 1879.

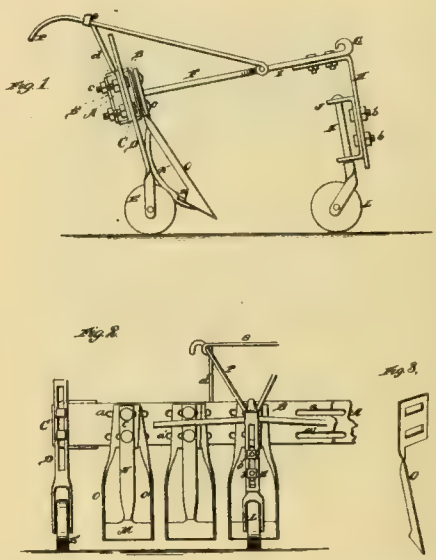


WITNESSES:
Chas. Nuta
C. Bergstrock

INVENTOR:
J. W. McMillan
BY Munn & Co.
ATTORNEYS.

W. T. YOUNG & W. D. MOODY.
Cotton-Chopper.

No. 213,489 Patented Mar. 18, 1879.

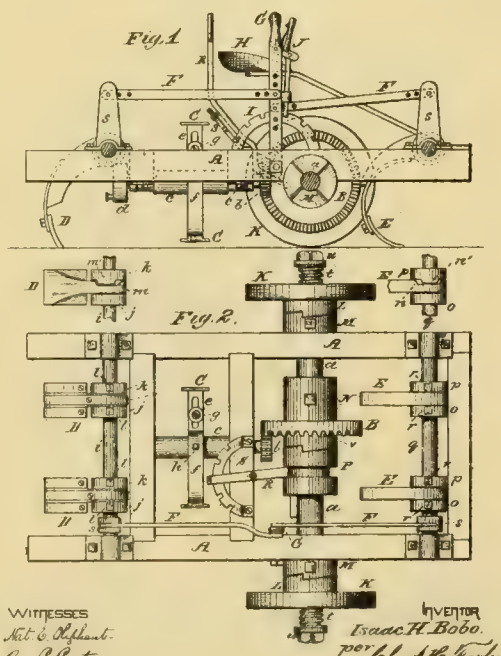


WITNESSES
Robt. Everett
N. Clay Smith

INVENTORS.
Wilbur T. Young.
William D. Moody.
By Gilmore, Smith & Co.
ATTORNEYS.

I. H. BOBO.
Cotton-Chopper.

No. 216,825. Patented June 24, 1879.

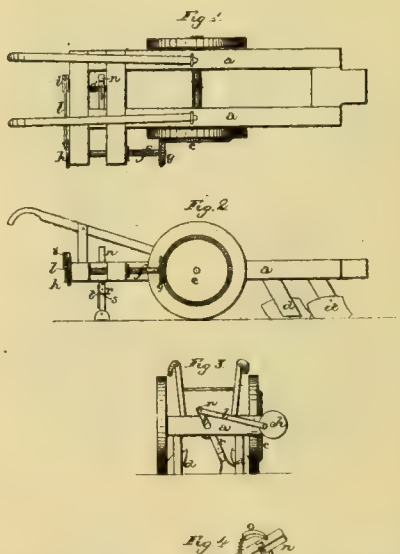


WITNESSES
Nat. E. Oldham
Geo. R. Porter.

INVENTOR
Isaac H. Bobo.
per Chas. H. Fowler
Attorney

R. L. LEE.
Cotton-Chopper.

No. 218,387. Patented Aug 12, 1879.

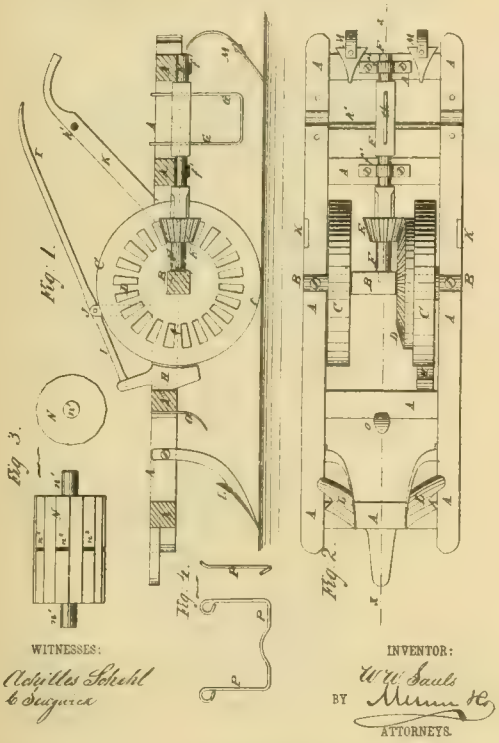


Witnesses:
J. W. Garner
W. S. C. Hamel.

Inventor.
R. L. Lee.
per
F. A. Lehmann
Atty.

W. W. SAULS.
Cotton-Chopper.

No. 221,106. Patented Oct. 28, 1879.

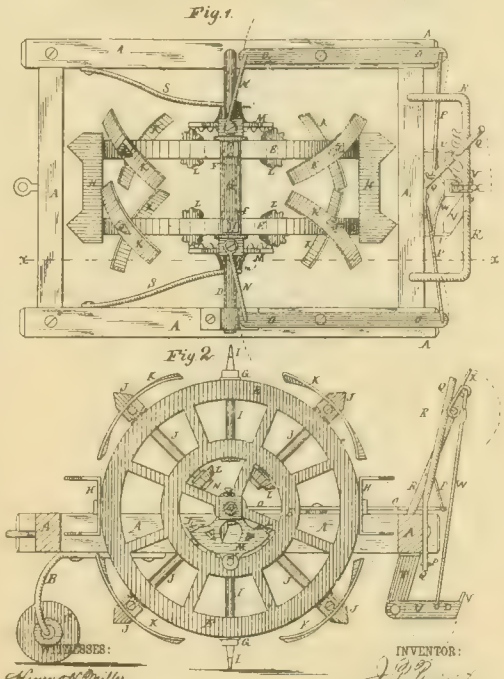


WITNESSES:
Achilles Schehl
C. Sugrue

INVENTOR:
W. W. Sauls
BY Munn & Co.
ATTORNEYS.

J. P. PRAIRIE.
Combined Cotton Chopper and Cultivator.

No. 221,608. Patented Nov. 11, 1879.

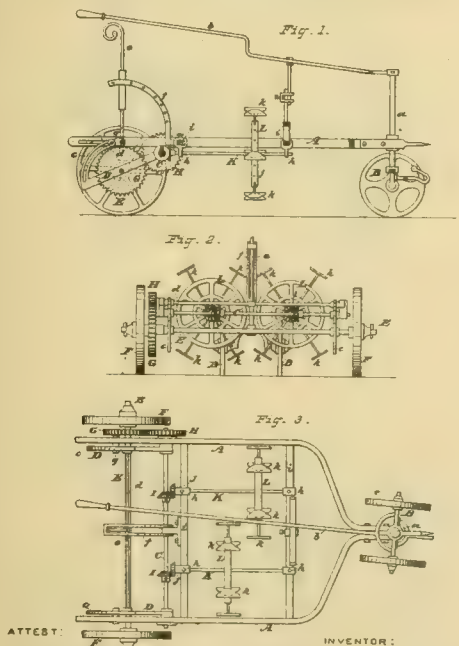


WITNESSES:
Henry N. Miller
C. Sugrue

INVENTOR:
J. P. Prairie
BY Munn & Co.
ATTORNEYS.

P. OLIVIER-LECQ.
Weeder or Scraper.

No. 221,684. Patented Nov. 18, 1879.

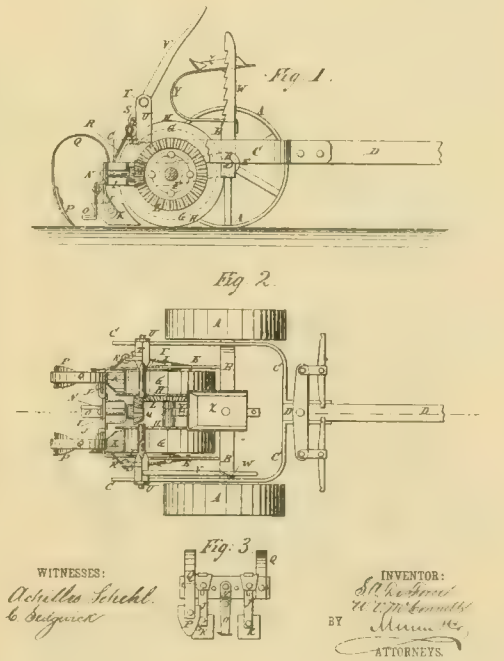


ATTEST:
Walter H. Scott
George H. Fraser

INVENTOR:
Paul Olivier-Lecq
by his attorneys
Burke, Fraser & Connell

S. A. De FORCE & W. V. McCONNELL.
Cotton-Scraper, Chopper, and Dirter.

No. 222,255. Patented Dec. 2, 1879.

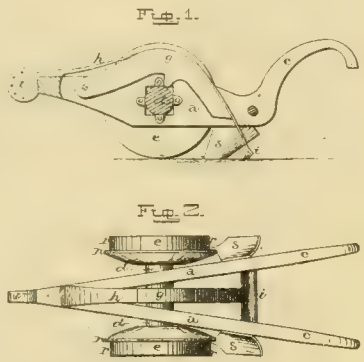


WITNESSES:
Achilles Schehl
C. Sugrue

INVENTOR:
S. A. De Force
W. V. McConnell
BY Munn & Co.
ATTORNEYS.

C. C. & A. G. DAVIS.
Cotton Chopper and Cultivator.

No. 223,488. Patented Jan. 13, 1880.

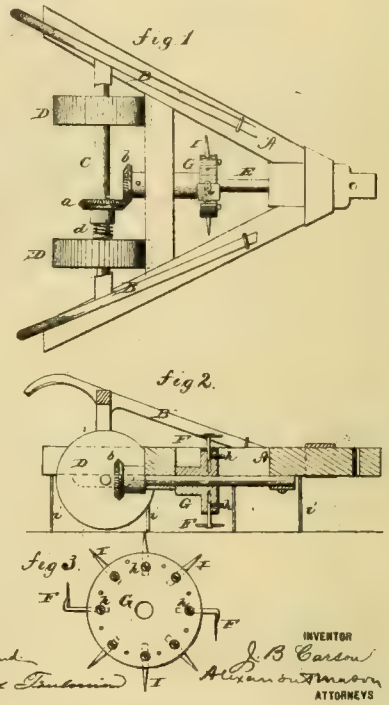


Witnesses:
Jos. Gunner
W. H. Mortimer

Inventors:
C. C. Davis
A. G. Davis
per
F. A. Lehmann Atty

J. B. CARSON.
Cotton-Chopper.

No. 224,645. Patented Feb. 17, 1880.

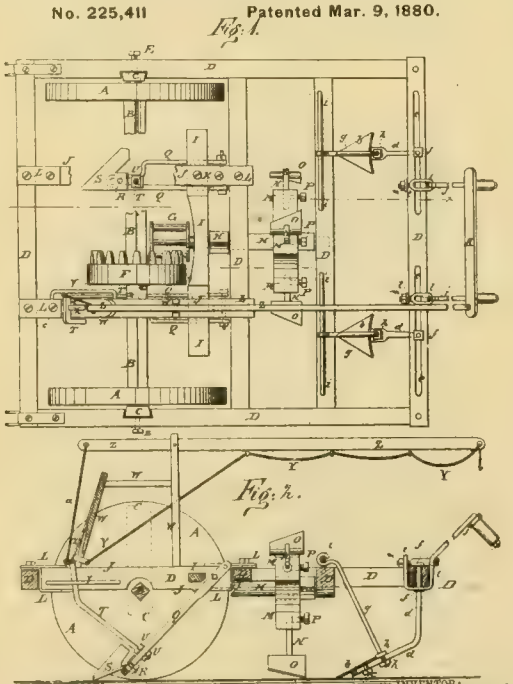


WITNESSES
D. L. Durand
H. C. Bishop
Benjamin

INVENTOR
J. B. Carson
Alexander Mason
ATTORNEYS

W. S. NEAL.
Combined Cotton Chopper and Cultivator.

No. 225,411 Patented Mar. 9, 1880.

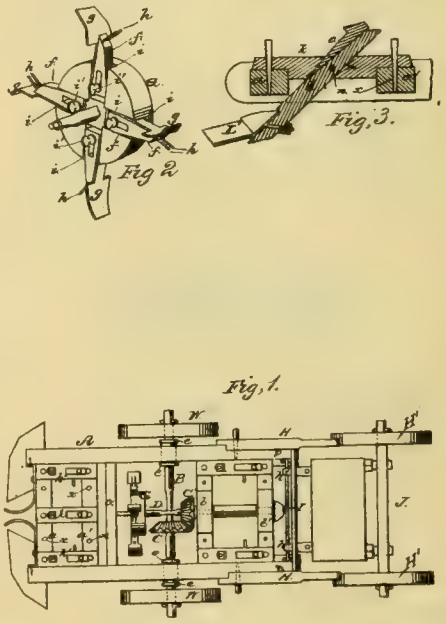


WITNESSES:
Chas Niaa
C. Benjamin

INVENTOR:
W. S. Neal
BY Munn & Co
ATTORNEYS.

J. B. NICHOLS.
Cotton Chopper and Cultivator.

No. 225,856. Patented Mar. 23, 1880.

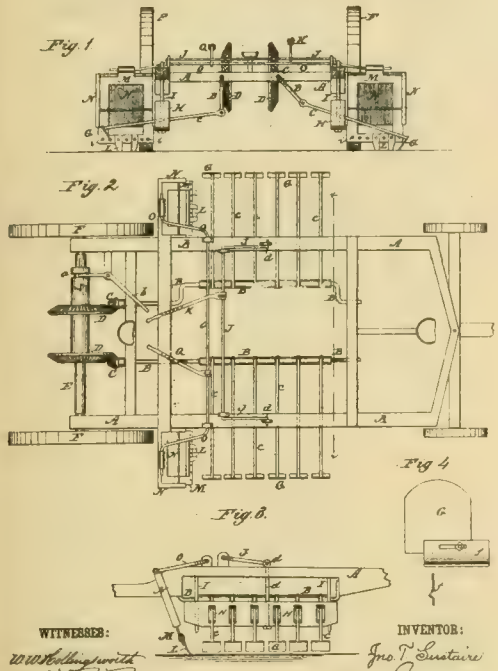


WITNESSES
Wm. Anderson
F. J. Chase

INVENTOR
James Bell Nichols
by H. W. Anderson
Atty ATTORNEY

J. T. SUSTAIRE.
Cotton-Chopper.

No. 225,890. Patented Mar. 23, 1880.



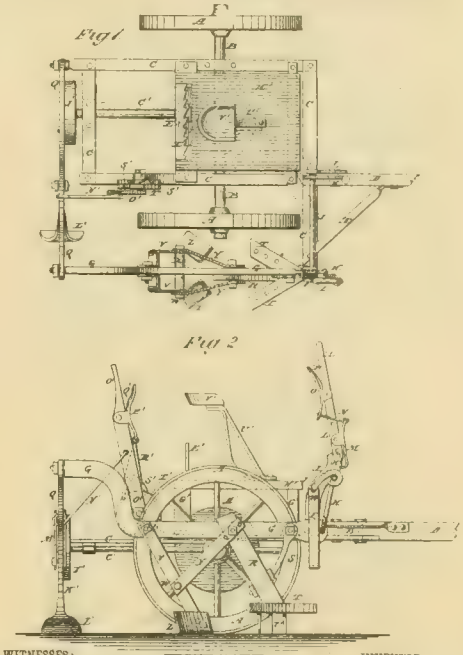
WITNESSES:
W. W. Hollingsworth
Jno. H. Hart

INVENTOR:
Jno. T. Sustaire
BY Munn & Co.
ATTORNEYS.

2 Sheets—Sheet 1.

L. D. BOWMAN
Combined Cotto Scraper and Chopper.

No. 226,703. Patented April 20, 1880.



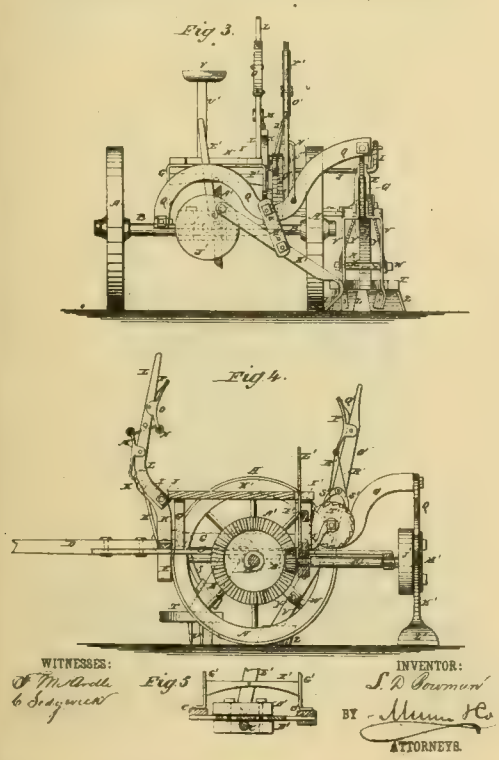
WITNESSES:
Francis M'Ardle
C. Sedgwick

INVENTOR:
L. D. Bowman
BY Munn & Co.
ATTORNEYS.

2 Sheets—Sheet 2.

L. D. BOWMAN.
Combined Cotton Scraper and Chopper.

No. 226,703. Patented April 20, 1880.



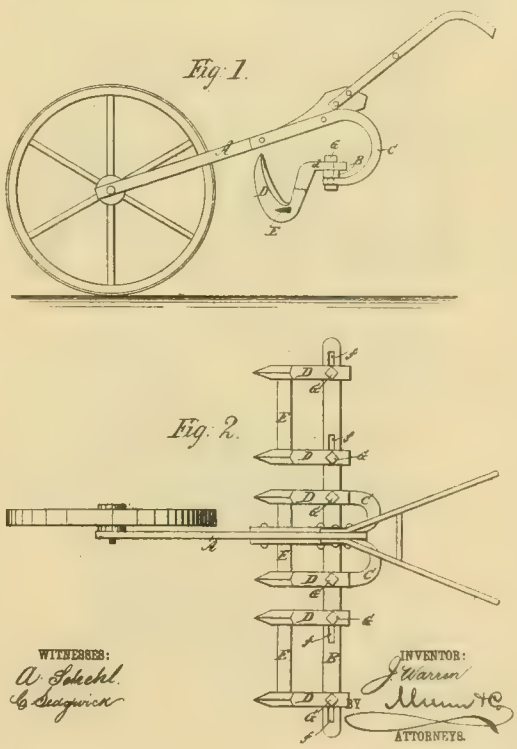
WITNESSES:
F. M'Ardle
C. Sedgwick

INVENTOR:
L. D. Bowman
BY Munn & Co.
ATTORNEYS.

(No Model.)

J. WARREN.
Cotton-Chopper,

No. 227,864. Patented May 18, 1880.



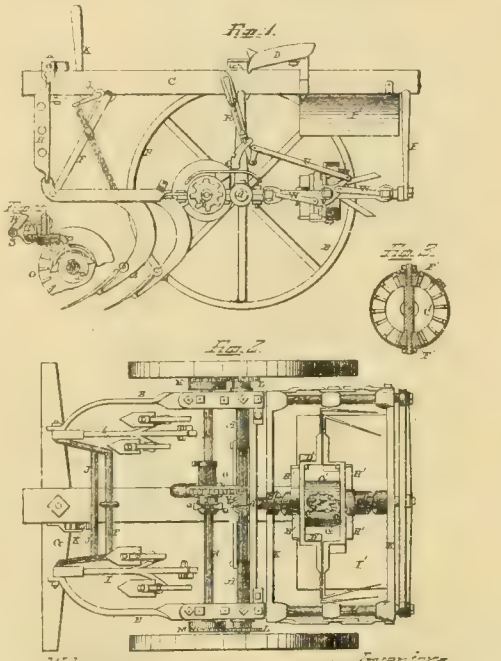
WITNESSES:
A. Schickel
C. Sedgwick

INVENTOR:
J. Warren
BY Munn & Co.
ATTORNEYS.

(No Model.) 2 Sheets—Sheet 1

W. BUSCH.
Cotton-Chopper.

No. 227,879. Patented May 25, 1880



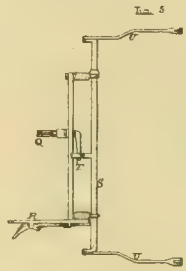
Witnesses:
H. W. Mottimer.
Nelle H. Kern

Inventor:
Wm. Busch
per
F. A. Lehmann, Att'y

(No Model.) 2 Sheets—Sheet 2

W. BUSCH.
Cotton-Chopper.

No. 227,879. Patented May 25, 1880.

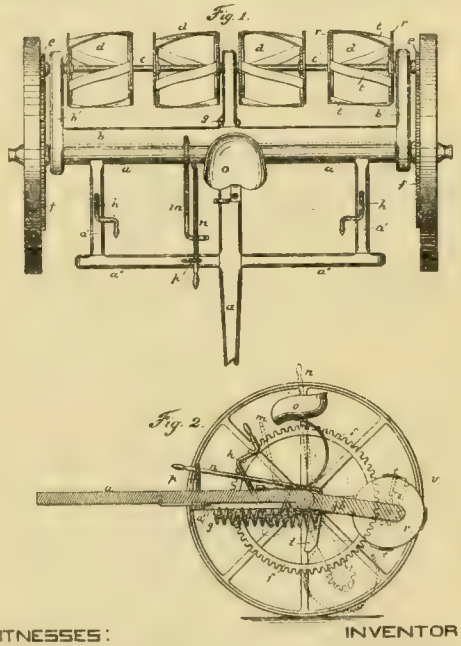


Witnesses:
H. W. Mottimer.
Nelle H. Kern

Inventor:
Wm. Busch.
per
F. A. Lehmann,
Att'y

J. C. LEE.
Rotary Cotton-Chopper.

No. 228,653. Patented June 8, 1880.

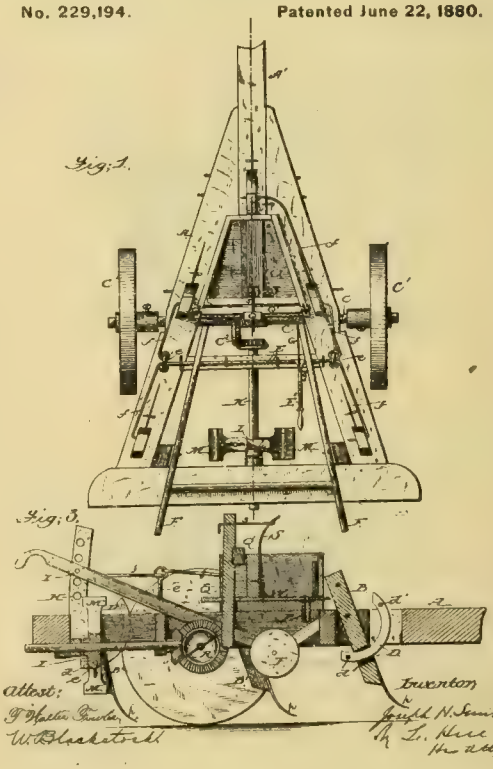


WITNESSES:
Wm. Lawton
Raymond G. Lee

INVENTOR:
J. C. Lee,
By Drafflow & Ladd
Attorneys.

J. H. SMITH. 2 Sheets—Sheet 1.
Cultivator.

No. 229,194. Patented June 22, 1880.



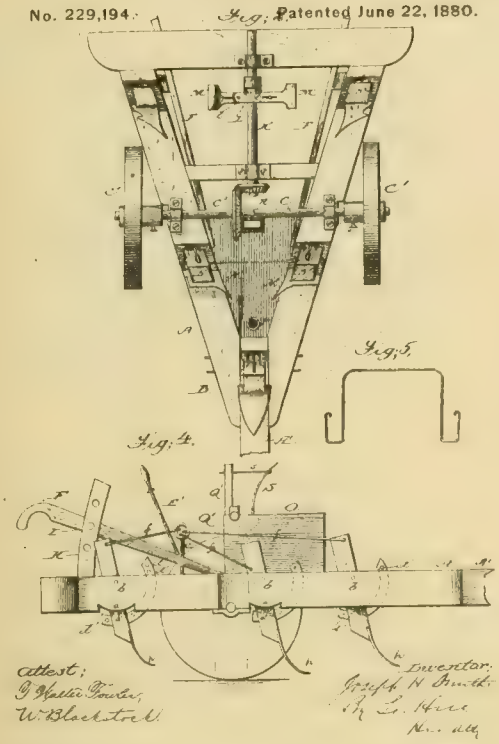
Attest:
T. Dexter Fowler
W. Blackstone

Inventor
Joseph H. Smith.
R. L. Hess
his Att'y

2 Sheets—Sheet 2.

J. H. SMITH.
Cultivator.

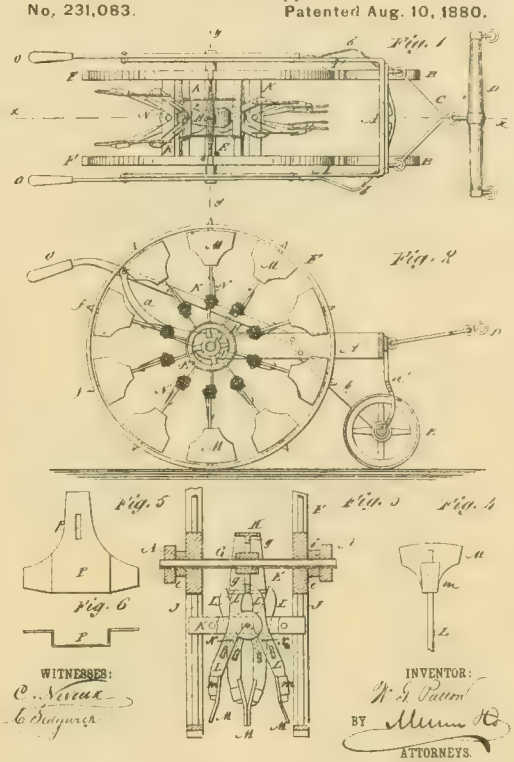
No. 229,194. Patented June 22, 1880.



(Model.)

W. G. PATTON.
Cotton Chopper.

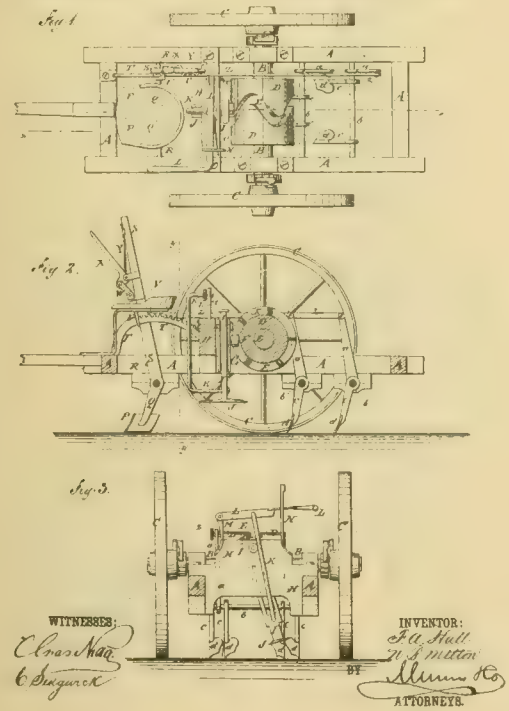
No. 231,083. Patented Aug. 10, 1880.



(No Model.)

F. A. HALL & N. B. MILTON.
Combined Scraper, Chopper and Dirter.

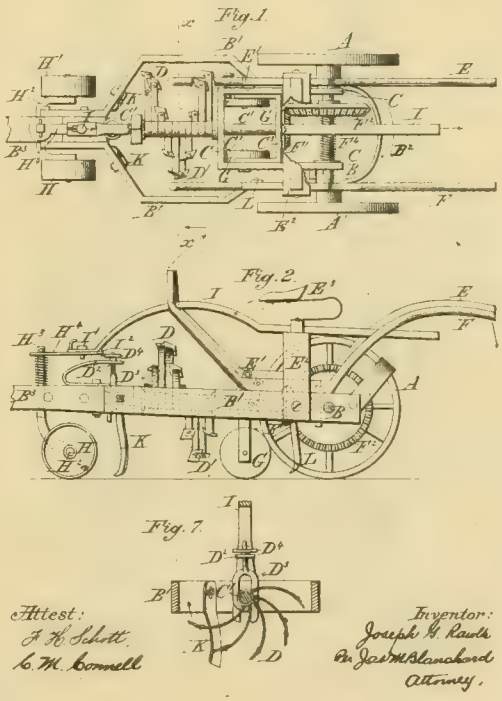
No. 233,241. Patented Oct. 12, 1880.



(No Model.) 2 Sheets—Sheet 1.

J. G. HAWLS.
Spiral Cotton Chopper.

No. 233,546. Patented Oct. 19, 1880.

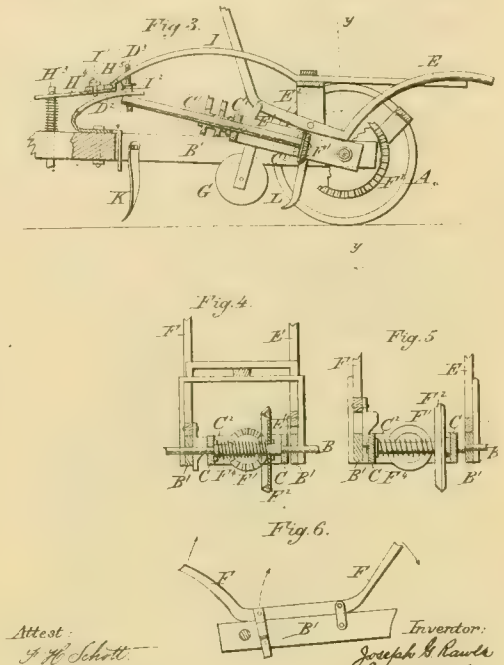


(No Model.) 2 Sheets—Sheet 2

J. G. RAWLS.

Spiral Cotton Chopper.

No. 233,546. Patented Oct. 19, 1880.



Attest:
F. H. Schott
C. M. Connell

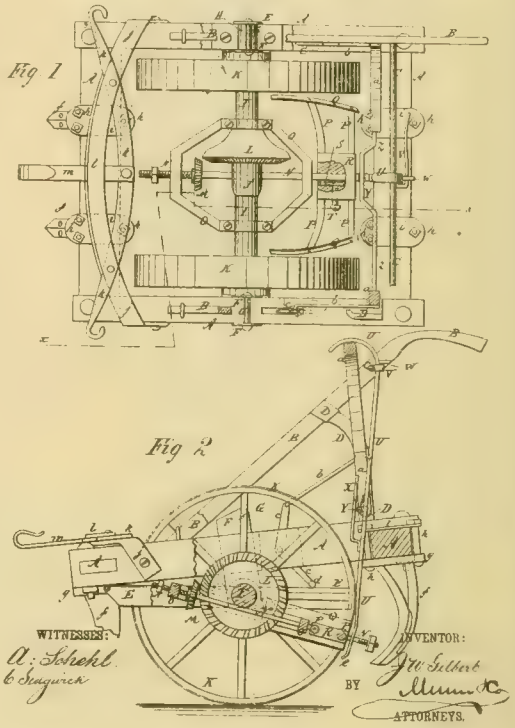
Inventor:
Joseph G. Rawls
Per Jas. M. Blanchard
Attorney.

(No Model.)

J. W. GILBERT.

Cultivator and Cotton Chopper.

No. 234,023. Patented Nov. 2, 1880.



WITNESSES:
A. Schehl
C. Sieguren

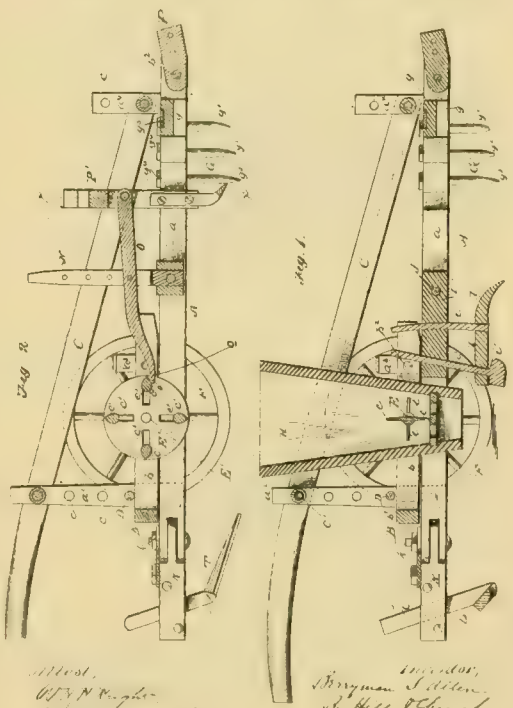
INVENTOR:
J. W. Gilbert
BY
Munn & Co.
ATTORNEYS.

(No Model.) 2 Sheets—Sheet 1

B. S. ALLEN.

Cotton Chopper.

No. 234,219. Patented Nov. 9, 1880.



Attest.
W. F. N. Naylor
W. Blackstock

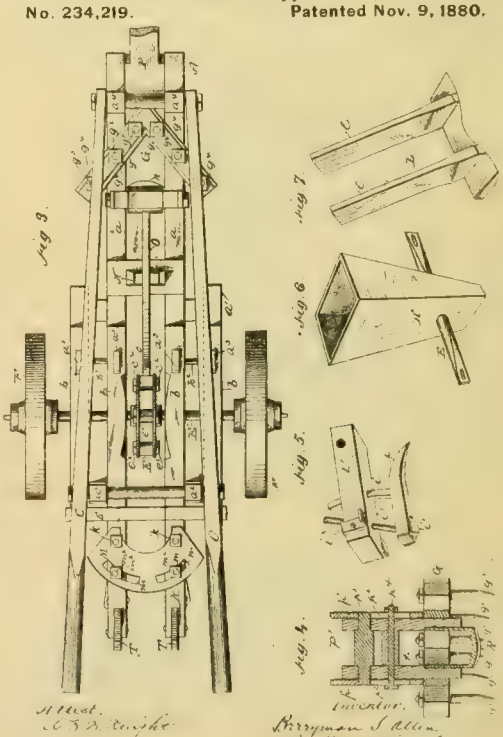
Inventor,
Berryman S. Allen
by Hill & Church
Attorneys

(No Model.) 2 Sheets—Sheet 2

B. S. ALLEN.

Cotton Chopper.

No. 234,219. Patented Nov. 9, 1880.



Attest.
W. F. N. Naylor
W. Blackstock

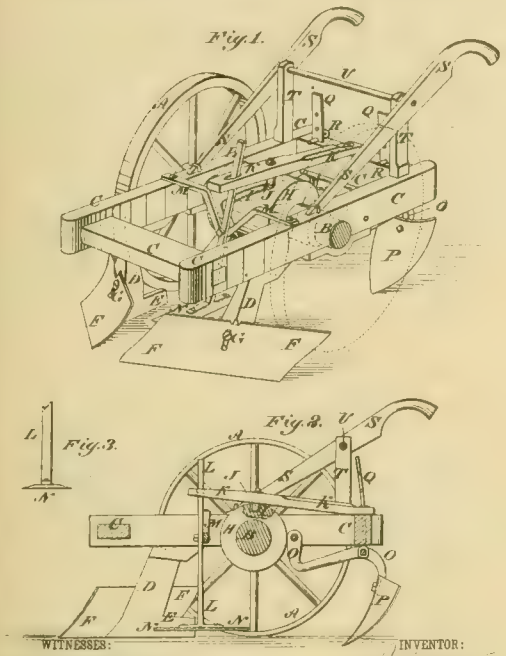
Inventor.
Berryman S. Allen
by Hill & Church
Attorneys

(No Model.)

J. A. MOORE.

Combined Cotton Scraper, Chopper and Cultivator.

No. 237,200. Patented Feb. 1, 1881.



WITNESSES:

INVENTOR:

BY

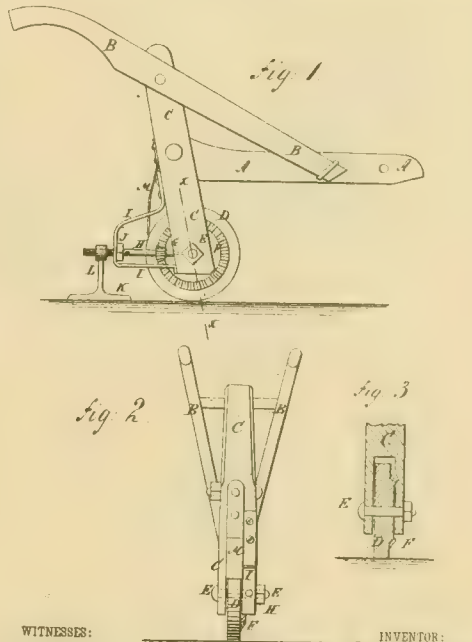
ATTORNEYS.

(No Model.)

R. I. DRAUGHON.

Cotton Chopper.

No. 237,502. Patented Feb. 8, 1881.



WITNESSES:

INVENTOR:

BY

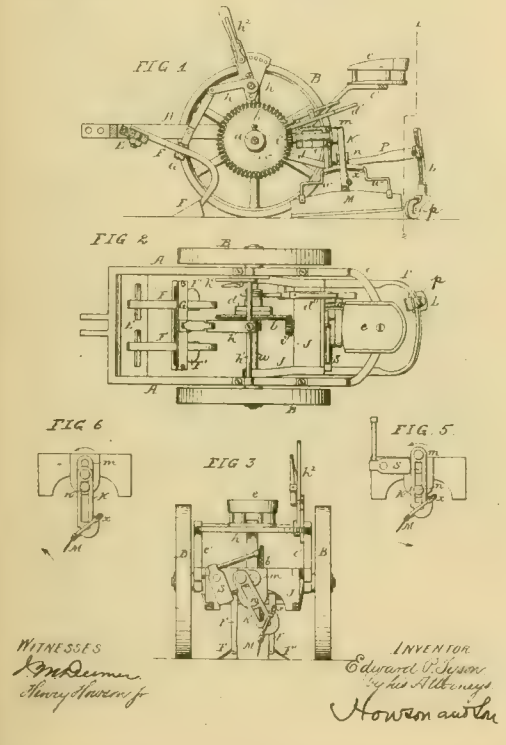
ATTORNEYS.

(Model.) 3 Sheets—Sheet 1

E. P. TYSON.

Cotton Chopper.

No. 237,931. Patented Feb. 15, 1881.



WITNESSES

INVENTOR

Edward P. Tyson

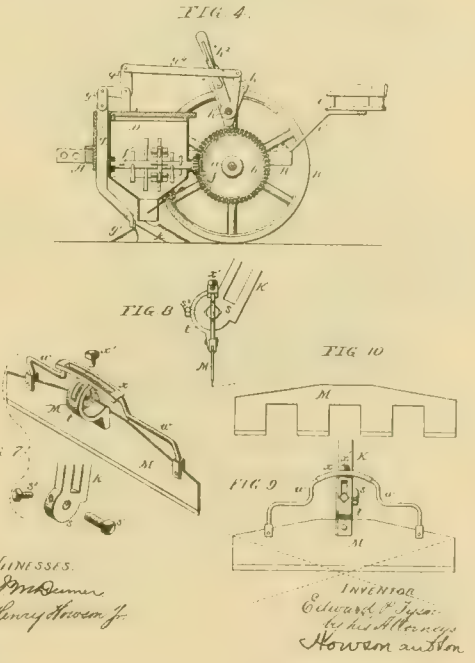
by his Attorneys

(Model.) 3 Sheets—Sheet 2

E. P. TYSON.

Cotton Chopper.

No. 237,931. Patented Feb. 15, 1881.



WITNESSES.

INVENTOR

Edward P. Tyson

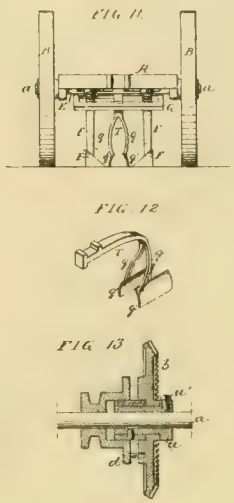
by his Attorneys

(Model.) 3 Sheets—Sheet 3

E. P. TYSON.

Cotton Chopper.

No. 237,931. Patented Feb. 15, 1881.



WITNESSES
W. McDermott
Henry Howson Jr.

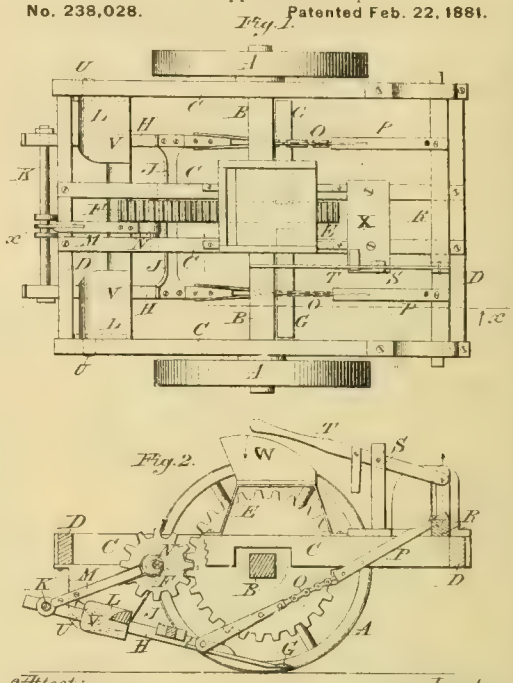
INVENTOR
Edward P. Tyson
by his Attorneys
Howson & Howson

(No Model.)

B. J. CURRY.

Cotton Chopper and Scraper.

No. 238,028. Patented Feb. 22, 1881.



Attest:
H. H. Schott
M. Willoughby

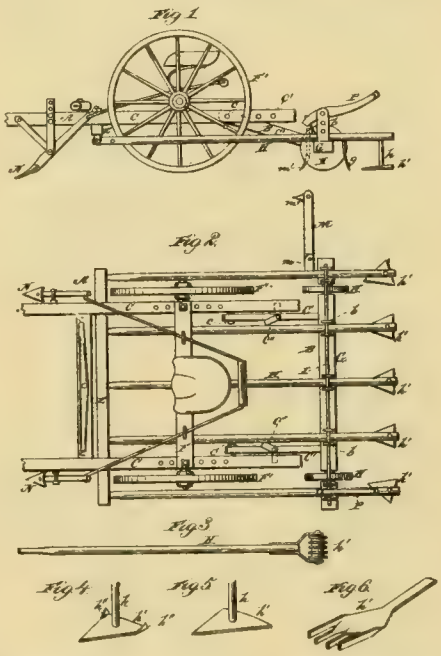
Inventor:
B. J. Curry
By Thos. C. Fullerton
Atty.

(Model.)

L. W. TRUE.

Cotton Chopper.

No. 238,183. Patented Feb. 22, 1881.



WITNESSES
Robt. Everett
W. H. Singleton

By his Attorney

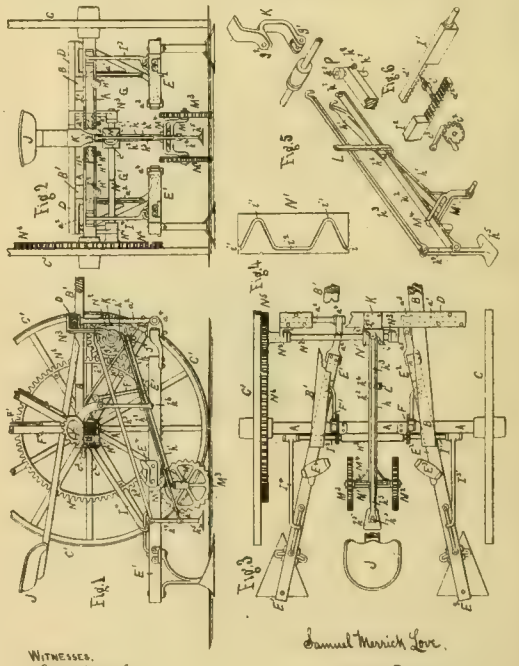
INVENTOR
L. W. True.
E. W. Anderson

(No Model.)

S. M. LOVE.

Combined Cultivator and Cotton Chopper.

No. 239,176. Patented March 22, 1881.



WITNESSES.
Louis Fesser Jr.
J. D. Orutt.

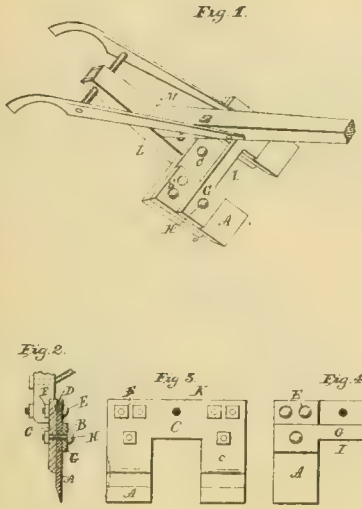
Samuel Merrick Love.

INVENTOR, BY
Louis Fesser & Co.
Attys.

(No Model.)

E. HUTSON.
Cotton Chopper.

No. 239,790. Patented April 5, 1881.



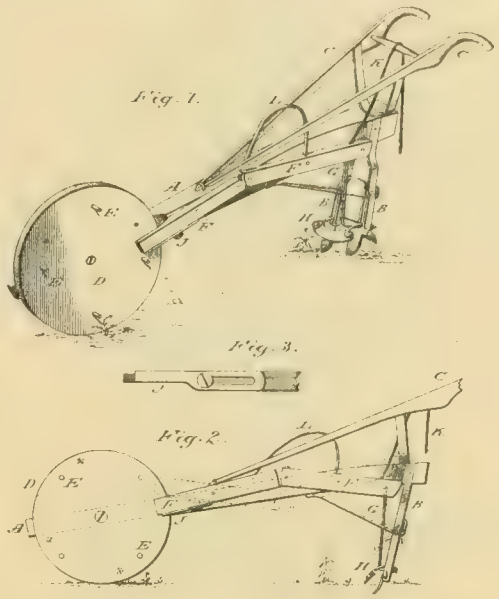
Witnesses:
Frank M. Burnham
J. J. McCarthy

Inventor:
Elisha Hutson
By Alexander Mason
Atty.

(No Model.)

M. E. RUDASILL.
Cotton Chopper.

No. 240,189. Patented April 12, 1881.



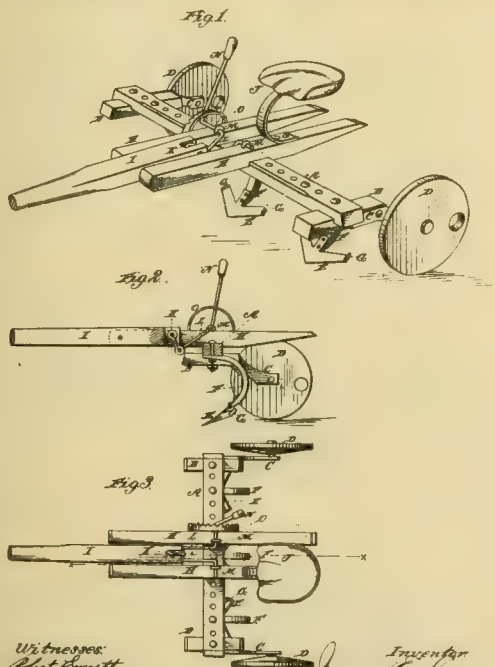
Witnesses:
M. Grover
B. H. Newell

Inventor
Michael E. Rudasill
By Geo. H. Fenner, Atty.

(Model.)

J. E. LINDSEY.
Cotton Chopper.

No. 240,598. Patented April 26, 1881.



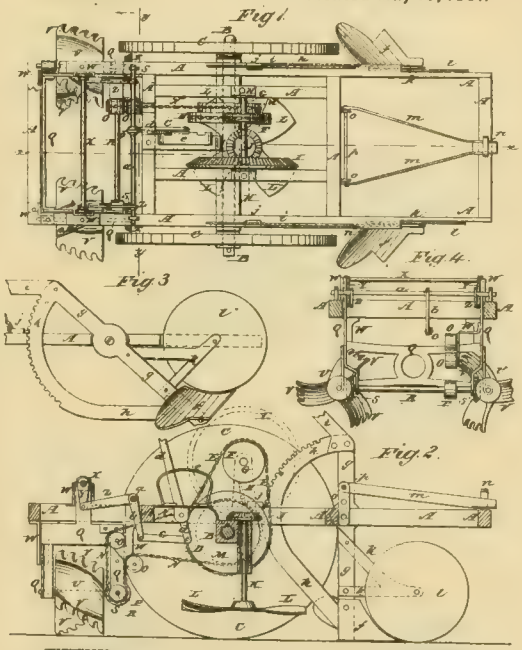
Witnesses:
Chas. Everett
J. R. Pitts

Inventor
James E. Lindsey
By C. A. Snow & Co.

(Model.)

A. W. BRENNER & J. FRASER.
Cultivator.

No. 241,286. Patented May 10, 1881.



WITNESSES:
Francis M. Antle
E. Sturwick

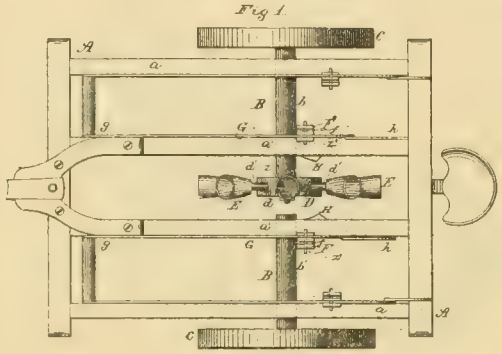
INVENTOR:
A. W. Brenner
BY J. Fraser
Munn & Co.
ATTORNEYS.

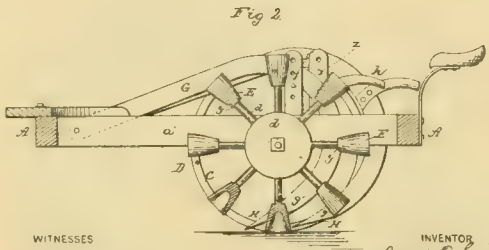
(No Model.)

J. F. SMITH.

Cotton Chopper.

No. 242,386. Patented May 31, 1881.





WITNESSES

J. W. Garner
Philip Dillard

INVENTOR

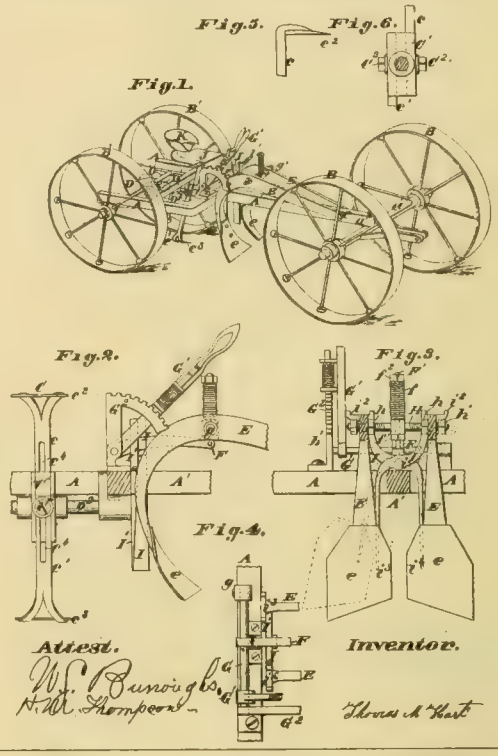
Joseph F. Smith
by Edmunson & Smith
his ATTORNEYS

(Model.)

T. M. HART.

Cotton Scraper and Chopper.

No. 243,129. Patented June 21, 1881.



Attest.

W. F. Burroughs
H. W. Thompson

Inventor.

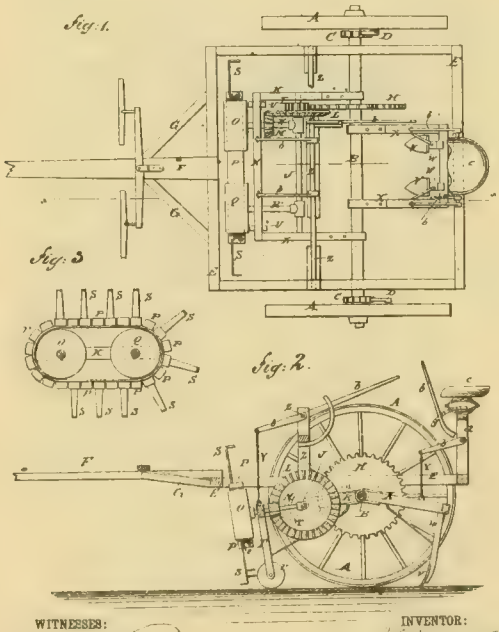
Thomas M. Hart

(No Model.)

J. J. JOHNSON.

COTTON CHOPPER.

No. 245,175. Patented Aug. 2, 1881.



WITNESSES:

Chas. Nicola
C. Sedgwick

INVENTOR:

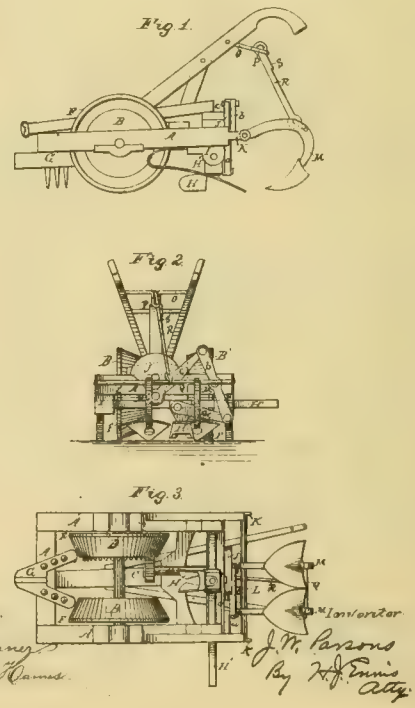
J. J. Johnson
BY Munn & Co.
ATTORNEYS.

(No Model.) 2 Sheets—Sheet 1

J. W. PARSONS.

COMBINED HARROW AND COTTON CHOPPER.

No. 245,210. Patented Aug. 2, 1881.



Witnesses.

J. W. Garner
W. S. D. Harris

Inventor

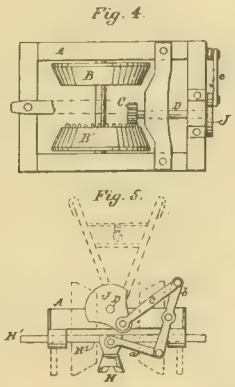
J. W. Parsons
By W. J. Ennis
Atty.

(No Model.) 2 Sheets—Sheet 2.

J. W. PARSONS.

COMBINED HARROW AND COTTON CHOPPER.

No. 245,210. Patented Aug. 2, 1881.



Witnesses:
Jas. L. Talley
E. H. Bradford

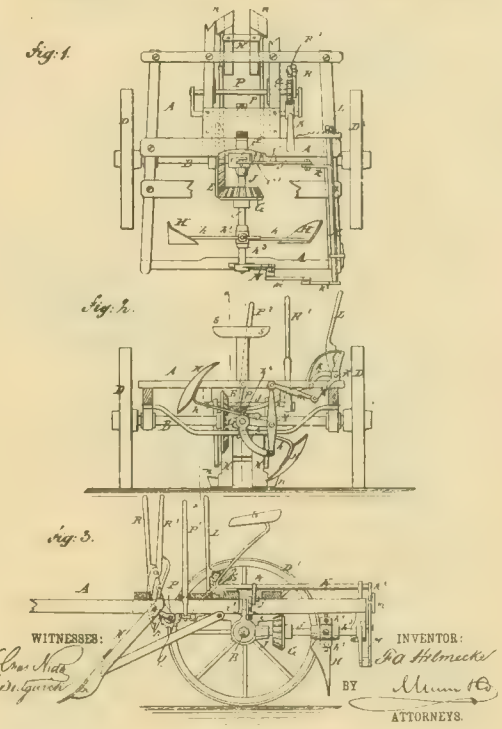
Inventor:
J. W. Parsons
By H. F. Ennis
Atty

(Model.)

F. A. HELMECKE.

COTTON CHOPPER.

No. 245,492. Patented Aug. 9, 1881.



WITNESSES:
Chas. Nida
C. M. Gurich

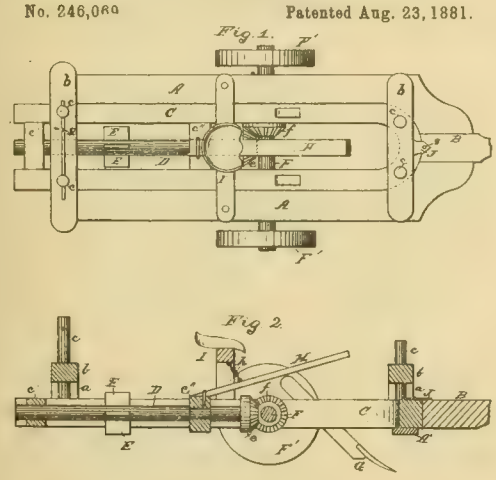
INVENTOR:
F. A. Helmecke
BY Munn & Co.
ATTORNEYS.

(No Model.)

S. E. BROWN.

COTTON CULTIVATOR.

No. 246,060 Patented Aug. 23, 1881.



Witnesses:
J. W. Garner
H. S. O'Harnes

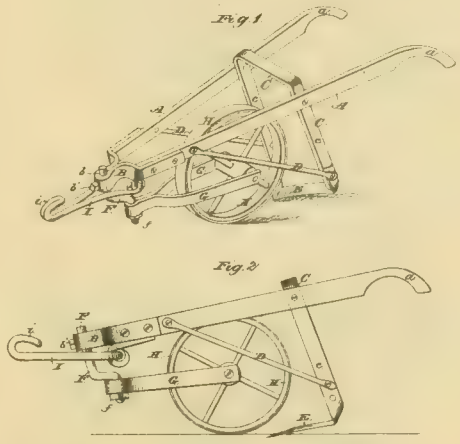
Inventor:
S. E. Brown.
By H. F. Ennis
Atty.

(No Model.)

B. S. WILDER.

COTTON CHOPPER.

No. 246,582. Patented Aug. 30, 1881.



Witnesses
Jas. E. Hutchinson
Henry C. Hazard.

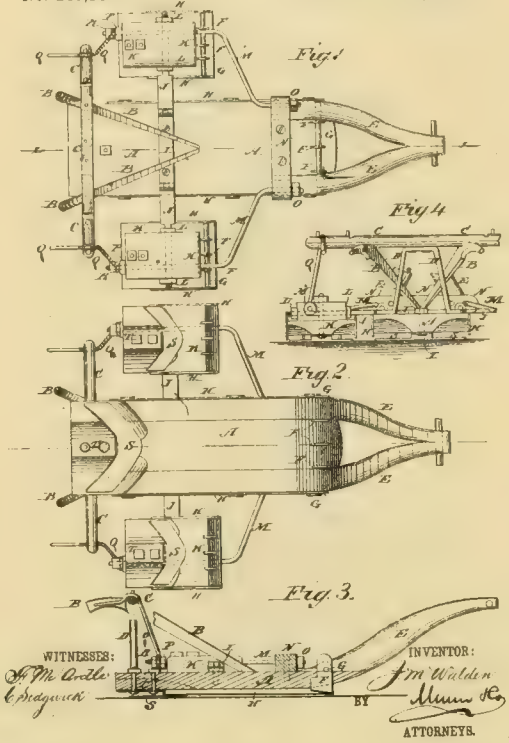
Inventor
B. S. Wilder, by
Geo. S. Grindle, his Atty

(Model.)

J. M. WALDEN.

COTTON CHOPPER.

No. 248,237. Patented Oct. 11, 1881.

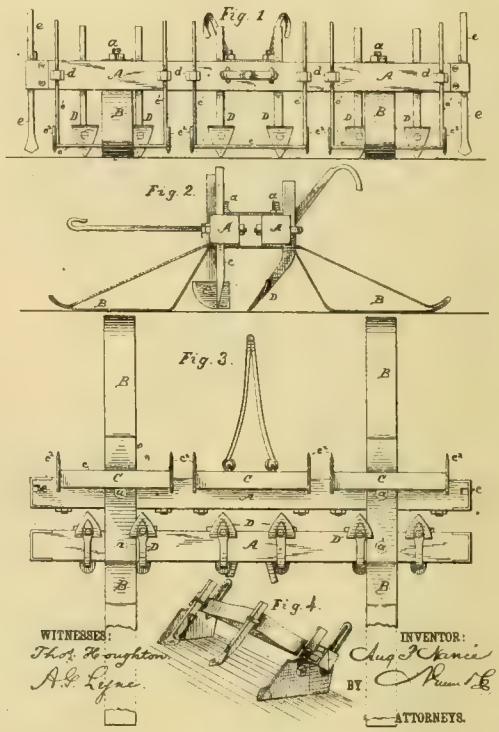


(No Model.)

A. P. NANCE.

COTTON CULTIVATOR.

No. 248,779. Patented Oct. 25, 1881.

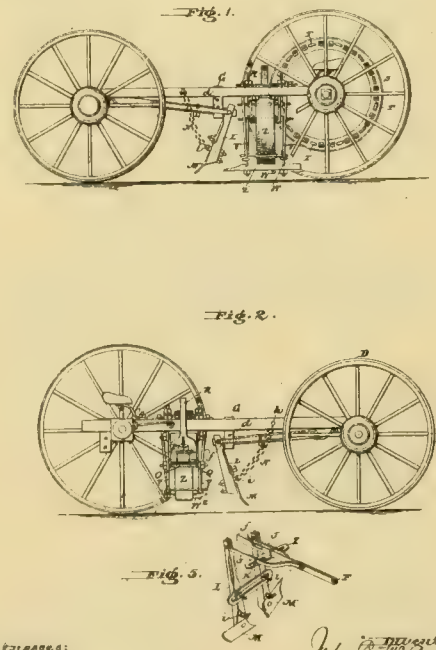


(No Model.) 2 Sheets—Sheet 1.

J. C. McCASKILL.

COMBINED COTTON CHOPPER AND SCRAPER.

No. 248,871. Patented Nov. 1, 1881.

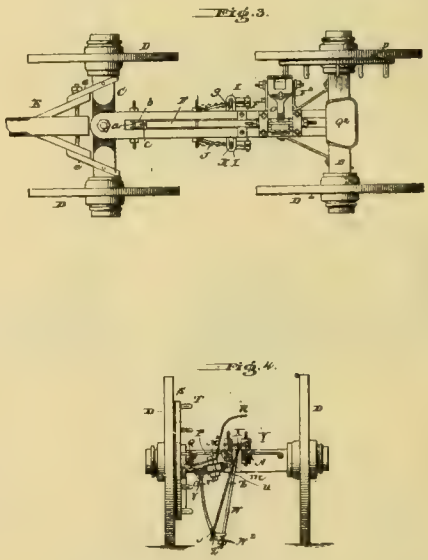


(No Model.) 2 Sheets—Sheet 2.

J. C. McCASKILL.

COMBINED COTTON CHOPPER AND SCRAPER.

No. 248,871. Patented Nov. 1, 1881.

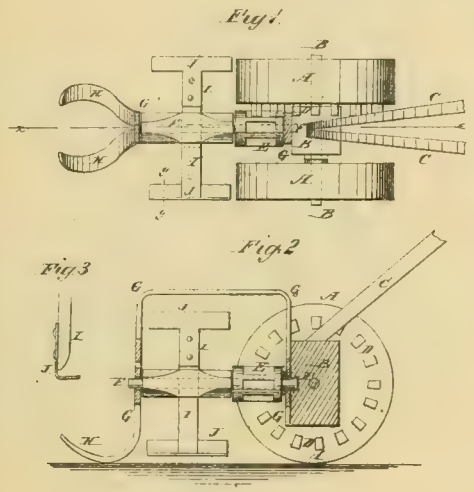


(No Model.)

J. H. BETHUNE.

COTTON CHOPPER.

No. 251,820. Patented Jan. 3, 1882.



WITNESSES:
Francis McArdle
C. Sedgwick

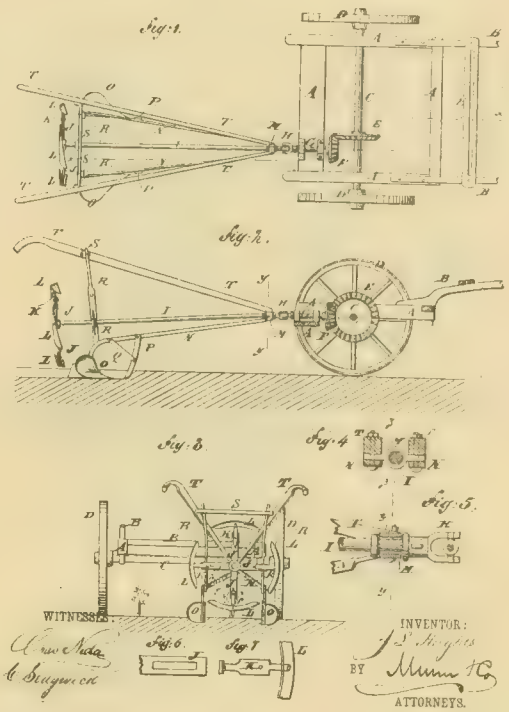
INVENTOR:
J. H. Bethune
BY Munn & Co.
ATTORNEYS.

(No Model.)

J. L. HUGHES.

COTTON CHOPPER.

No. 252,221. Patented Jan. 10, 1882.



WITNESSES:
Chas. Nida
C. Sedgwick

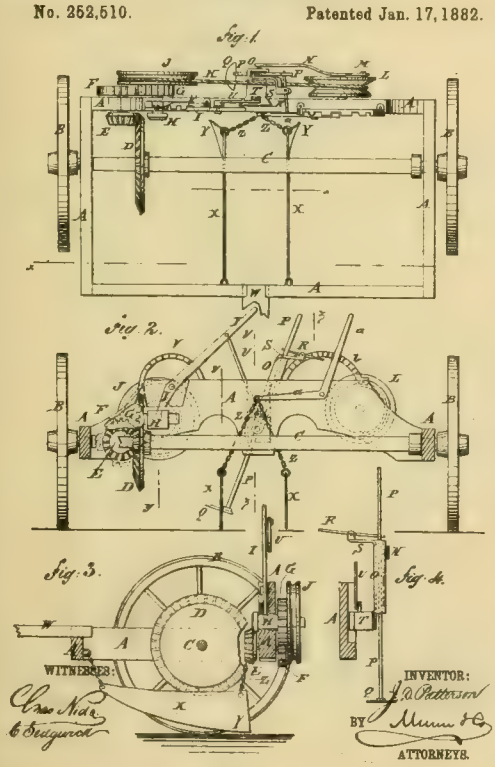
INVENTOR:
J. L. Hughes
BY Munn & Co.
ATTORNEYS.

(No Model.)

J. D. PATTERSON.

COTTON CHOPPER AND CULTIVATOR.

No. 252,510. Patented Jan. 17, 1882.



WITNESSES:
Chas. Nida
C. Sedgwick

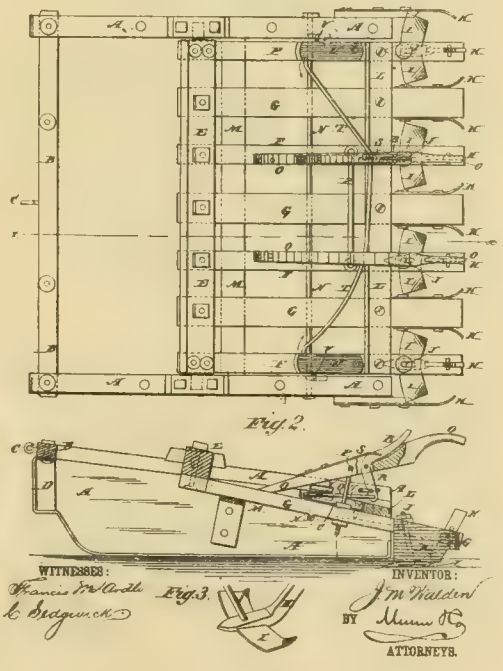
INVENTOR:
J. D. Patterson
BY Munn & Co.
ATTORNEYS.

(No Model.)

J. M. WALDEN.

COTTON CHOPPER.

No. 255,058. Patented Mar. 14, 1882.



WITNESSES:
Francis McArdle
C. Sedgwick

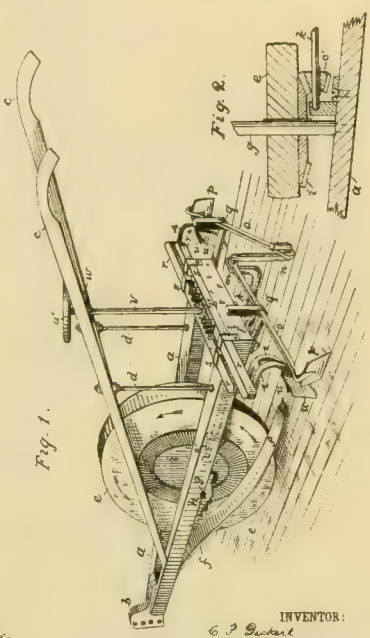
INVENTOR:
J. M. Walden
BY Munn & Co.
ATTORNEYS.

(No Model.)

C. P. DICKERT & E. McD. HELLER.

IMPLEMENT FOR SIDING AND THINNING COTTON.

No. 255,258. Patented Mar. 21, 1882.



WITNESSES:
Thos. Houghton
Geo. W. Kenon

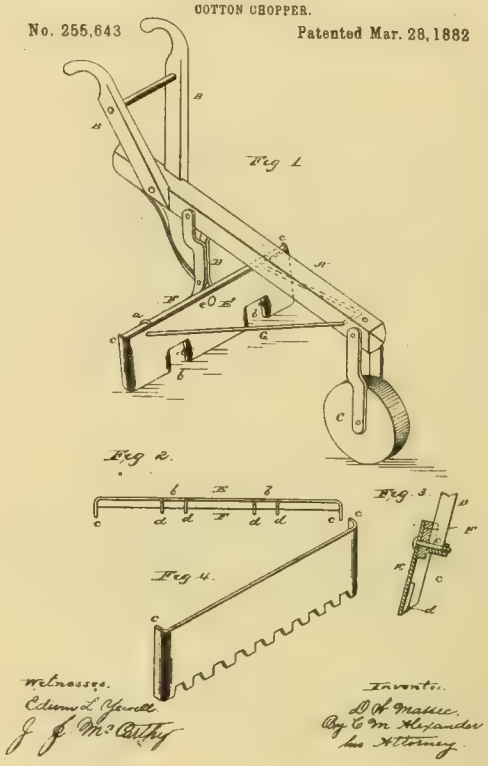
INVENTOR:
C. P. Dickert
E. McD. Heller
BY
ATTORNEYS.

(No Model.)

D. W. MASSEE.

COTTON CHOPPER.

No. 255,643 Patented Mar. 28, 1882



Witnesses.
Edwin L. Yerdell
J. J. McCarthy

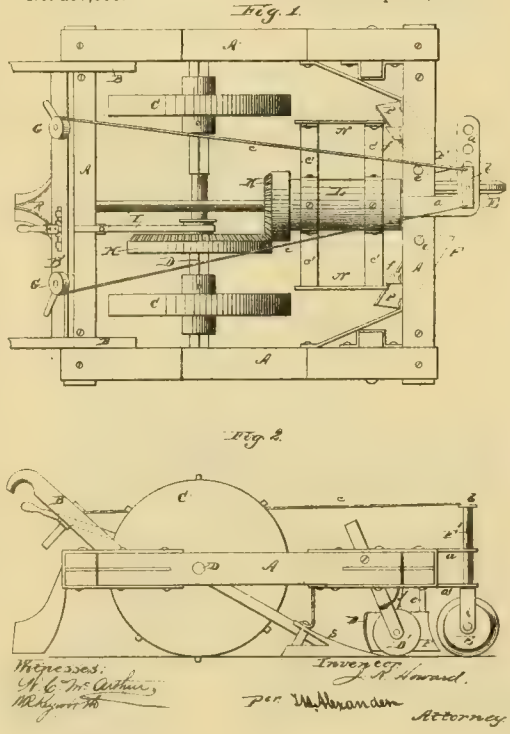
Inventor.
D. W. Massee.
By E. M. Alexander
his Attorney.

(No Model.) 2 Sheets—Sheet 1.

J. R. HOWARD.

COTTON CULTIVATOR.

No. 257,009. Patented Apr. 25, 1882.



Witnesses:
A. E. McArthur
W. Ryan

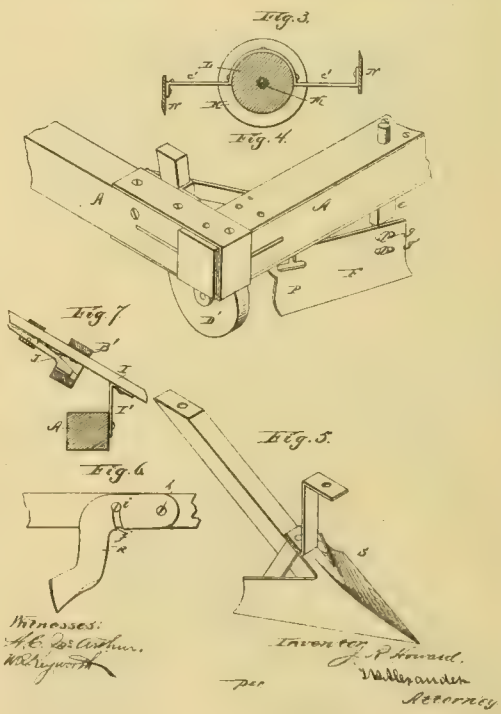
Inventor
J. R. Howard.
per W. Alexander
Attorney

(No Model.) 2 Sheets—Sheet 2

J. R. HOWARD.

COTTON CULTIVATOR.

No. 257,009. Patented Apr. 25, 1882.



Witnesses:
A. E. McArthur.
W. Ryan

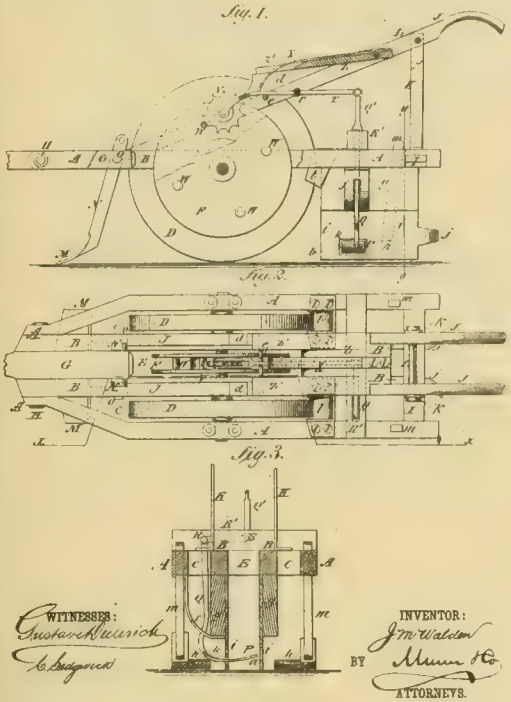
Inventor
J. R. Howard.
per W. Alexander
Attorney

(Model.)

J. M. WALDEN.

COTTON CHOPPER.

No. 258,512. Patented May 23, 1882.



WITNESSES:
Gustave Kunisch
A. Bugnet

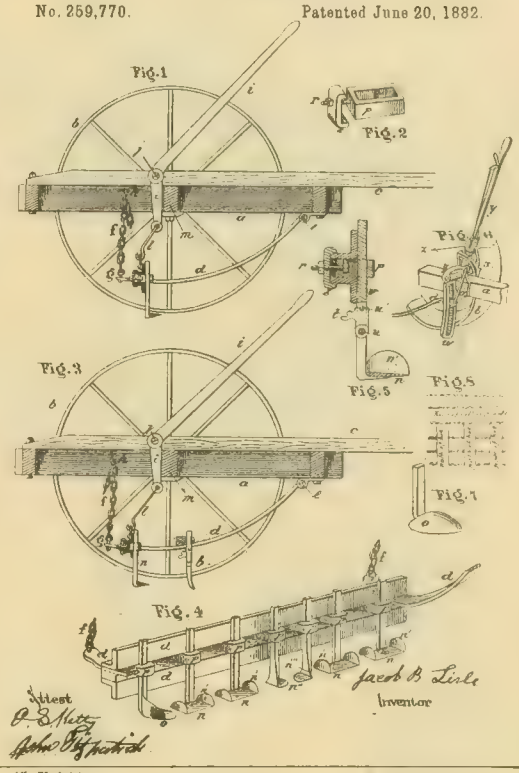
INVENTOR:
J. M. Walden
BY Munn & Co.
ATTORNEYS.

(No Model.)

J. B. LISLE.

COTTON CHOPPER.

No. 259,770. Patented June 20, 1882.



Attest
C. S. Hill
Arthur Hyatt

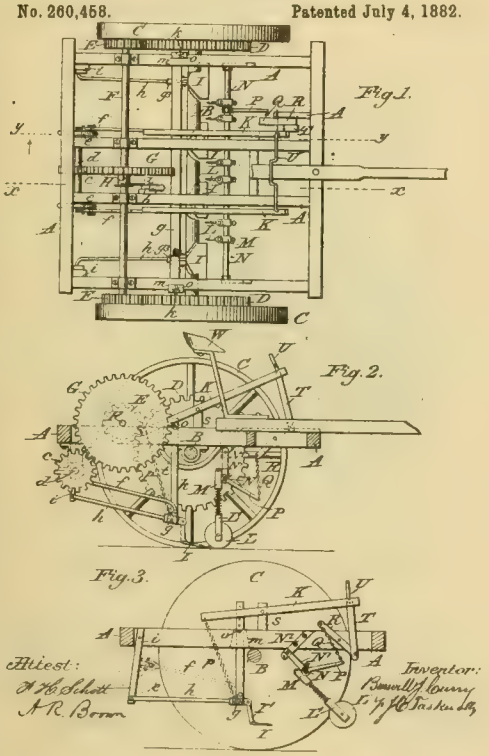
Jacob B. Lisle
Inventor

(No Model.) 2 Sheets—Sheet 1.

B. J. CURRY.

COTTON CHOPPER.

No. 260,458. Patented July 4, 1882.



Attest:
H. H. Schott
A. R. Brown

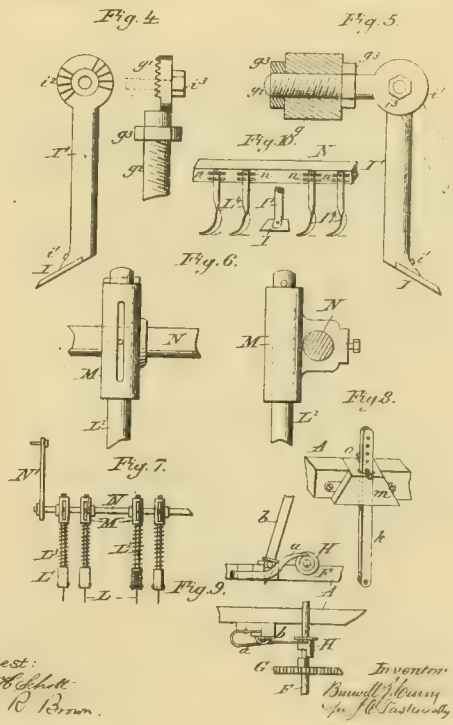
Inventor:
Burwell J. Curry
by H. H. Baskerville

(No Model.) 2 Sheets—Sheet 2.

B. J. CURRY.

COTTON CHOPPER.

No. 260,458. Patented July 4, 1882.



Attest:
H. H. Schott
A. R. Brown.

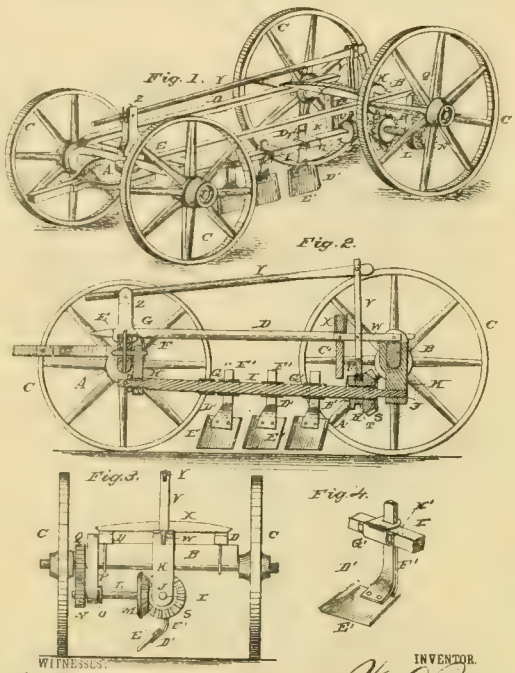
Inventor:
Burwell J. Curry
by H. H. Baskerville

(No Model.)

W. O. RAINS.

COTTON CHOPPER.

No. 262,474. Patented Aug. 8, 1882.



WITNESSES:

Fred. L. Dieterich
P. L. Dieterich

INVENTOR.

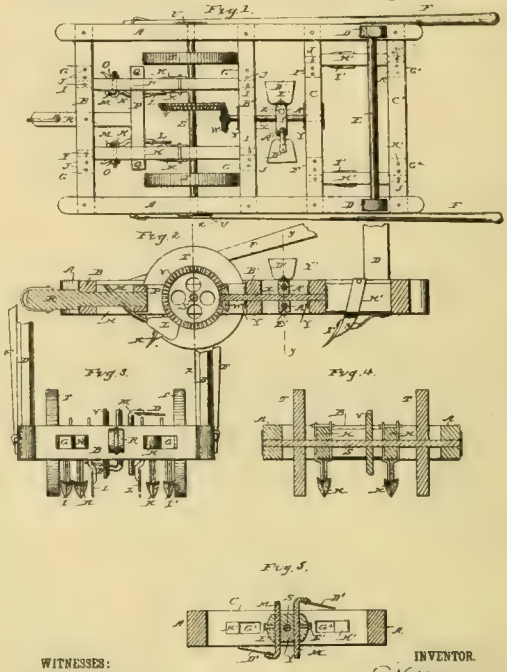
Wm. O. Rains.
by C. A. Snow & Co.
ATTORNEYS.

(No Model.)

E. H. NORTHCUTT.

COMBINED COTTON CHOPPER AND CULTIVATOR.

No. 263,425. Patented Aug. 29, 1882.



WITNESSES:

Fred. L. Dieterich
Jno. W. Blackett

INVENTOR.

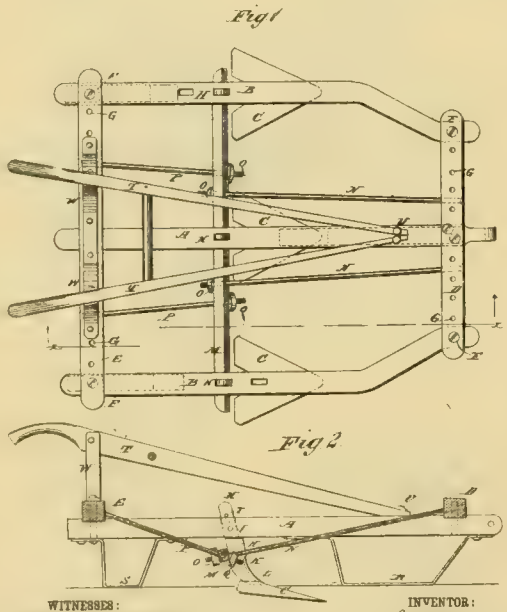
E. H. Northcutt.
by C. A. Snow & Co.
ATTORNEYS.

(Model.)

J. M. WALDEN.

COTTON CHOPPER.

No. 263,632. Patented Aug. 29, 1882.



WITNESSES:

Frances M. Wells
A. Bruguick

INVENTOR:

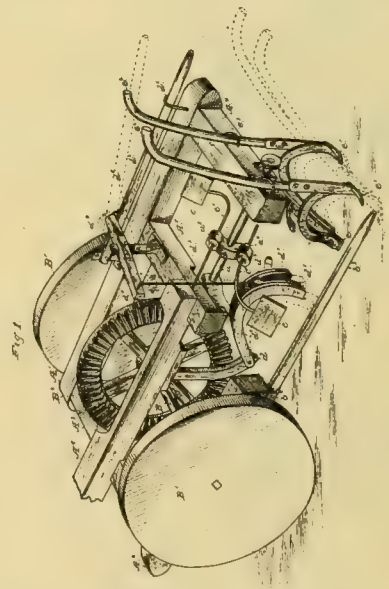
J. M. Walden
BY Munn & Co.
ATTORNEYS.

(No Model.) 2 Sheets—Sheet 1.

L. S. McMULLEN

COTTON CHOPPER.

No. 263,660. Patented Aug. 29, 1882.



WITNESSES

J. E. Clark
C. B. Turpen

INVENTOR

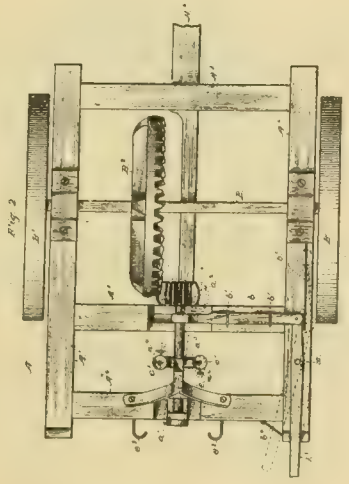
Lewis S. McMullen
By R. S. & H. Lacey
Attys.

(No Model.) 3 Sheets—Sheet 2.

L. S. McMULLEN.

COTTON CHOPPER.

No. 263,660. Patented Aug. 29, 1882.



WITNESSES

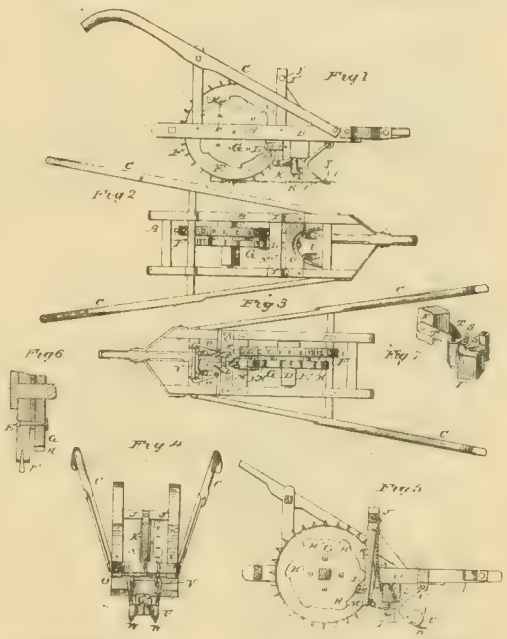
INVENTOR

(Model.)

L. B. OWEN.

CULTIVATOR.

No. 265,278. Patented Oct. 3, 1882.



WITNESSES:

INVENTOR

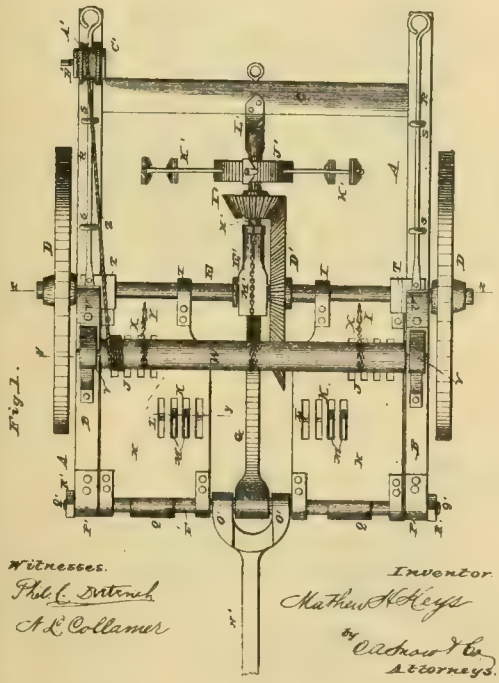
ATTORNEYS.

(No Model.) 3 Sheets—Sheet 1.

M. H. KEYS.

CULTIVATOR AND COTTON CHOPPER.

No. 265,968. Patented Oct. 17, 1882.



Witnesses.

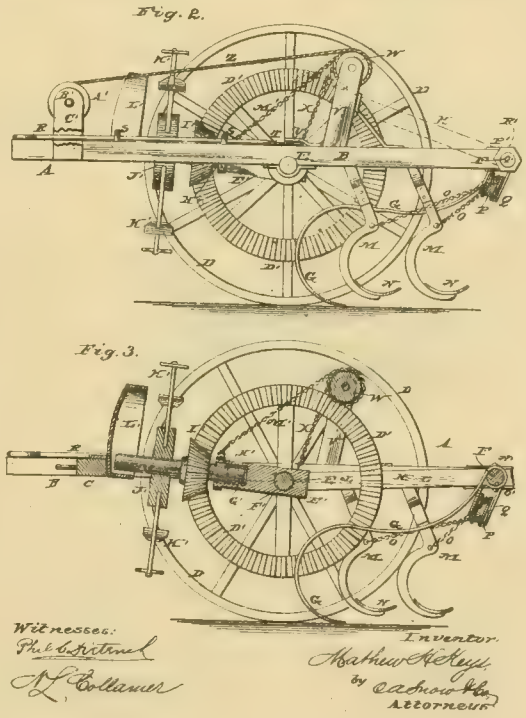
Inventor

(No Model.) 3 Sheets—Sheet 2.

M. H. KEYS.

CULTIVATOR AND COTTON CHOPPER.

No. 265,968. Patented Oct. 17, 1882.



Witnesses:

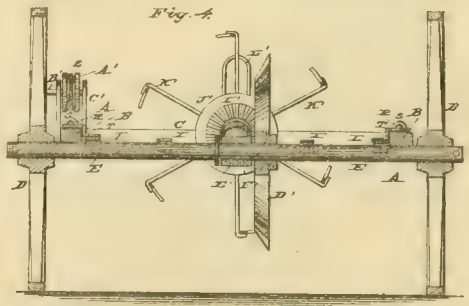
Inventor.

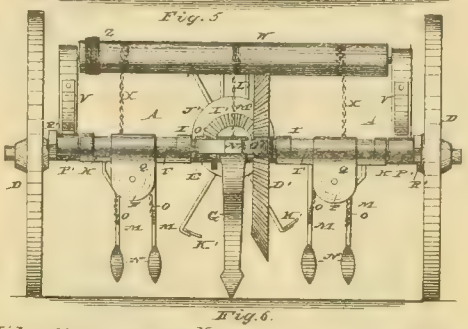
(No Model.) 3 Sheets—Sheet 3.

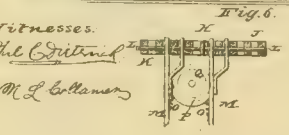
M. H. KEYS.

CULTIVATOR AND COTTON CHOPPER.

No. 265,968. Patented Oct. 17, 1882.







Witnesses.
Phil C. Dittrich
M. L. Bellamy

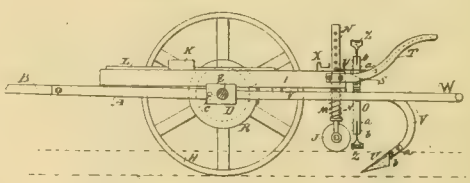
Inventor
Mathew H. Keys
by Albert & Co.
Attorneys.

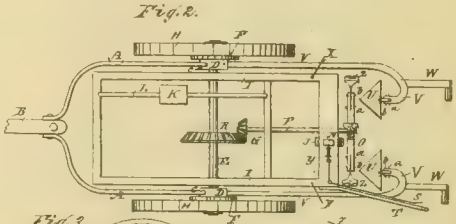
(No Model.)

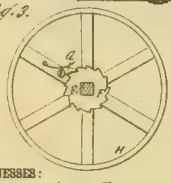
G. W. DUGGER.

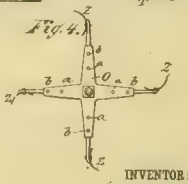
COTTON CHOPPER.

No. 266,788. Patented Oct. 31, 1882.









WITNESSES:
Theo. G. Kistler
C. Sedgwick

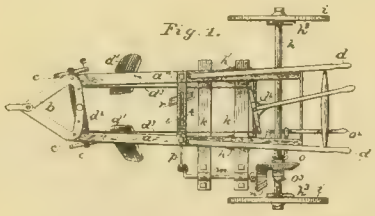
INVENTOR:
G. W. Dugger
BY Munn & Co.
ATTORNEYS.

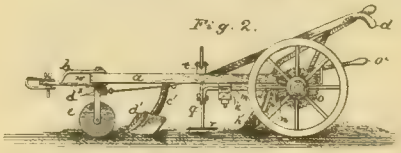
(No Model.)

J. P. DEVER.

COTTON CHOPPER, SCRAPER, AND CULTIVATOR.

No. 267,843. Patented Nov. 21, 1882.





WITNESSES:
Thos. Houghton.
John O'Neilon

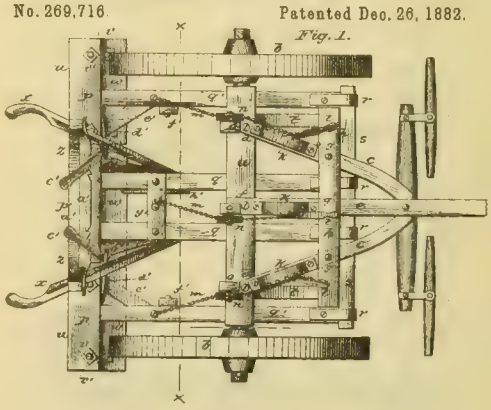
INVENTOR:
John P. Dever.
BY Munn & Co.
ATTORNEYS.

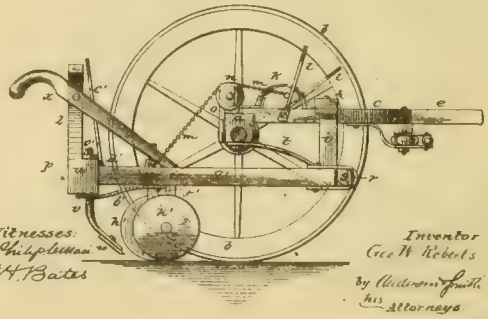
(No Model.) 2 Sheets—Sheet 1.

G. W. ROBERTS.

COTTON CHOPPER AND HARROW.

No. 269,716. Patented Dec. 26, 1882.





Witnesses:
Philip Milan
E. H. Bates

Inventor
Geo. W. Roberts
by Redmond & Smith
his Attorneys

(No Model.) 2 Sheets—Sheet 2.

G. W. ROBERTS.

COTTON CHOPPER AND HARROW.

No. 269,716. Patented Dec. 26, 1882.

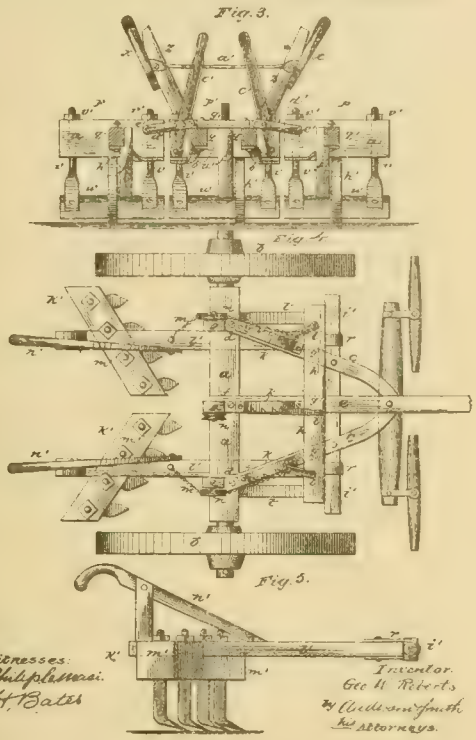
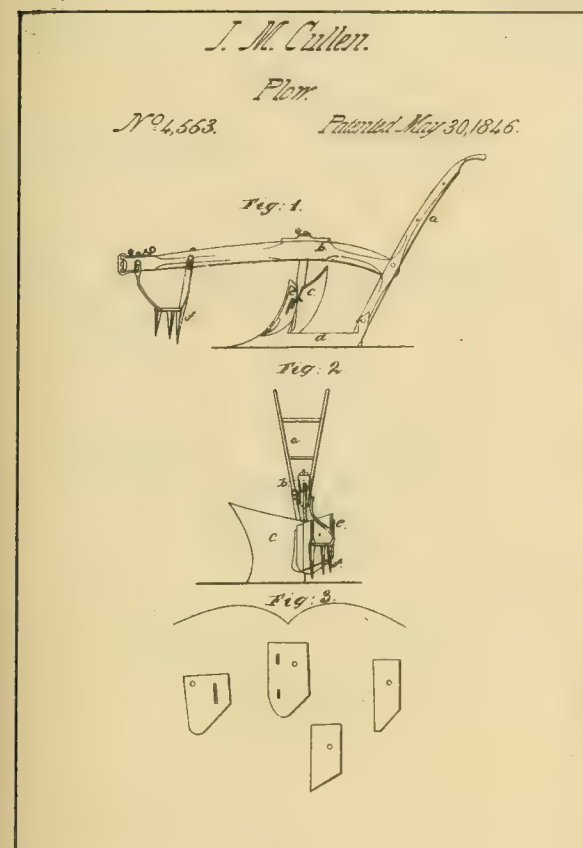
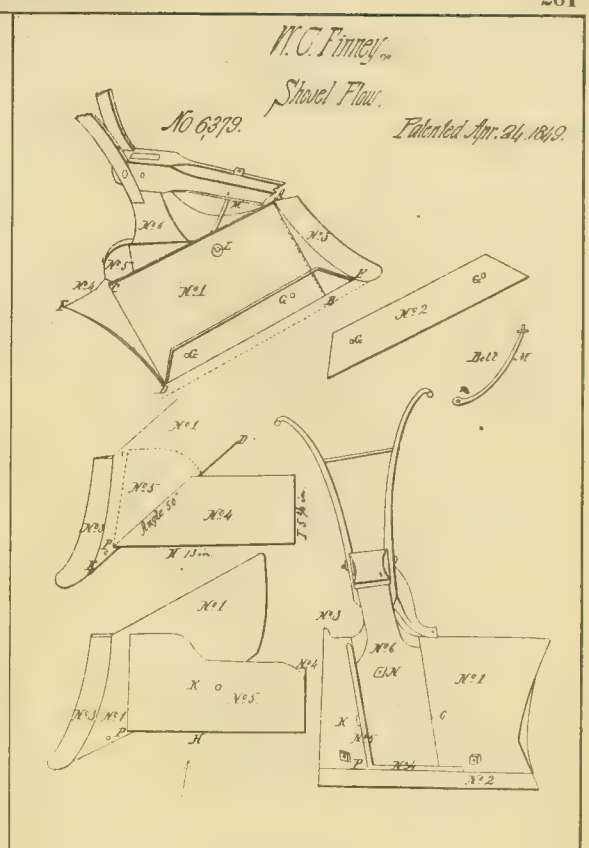
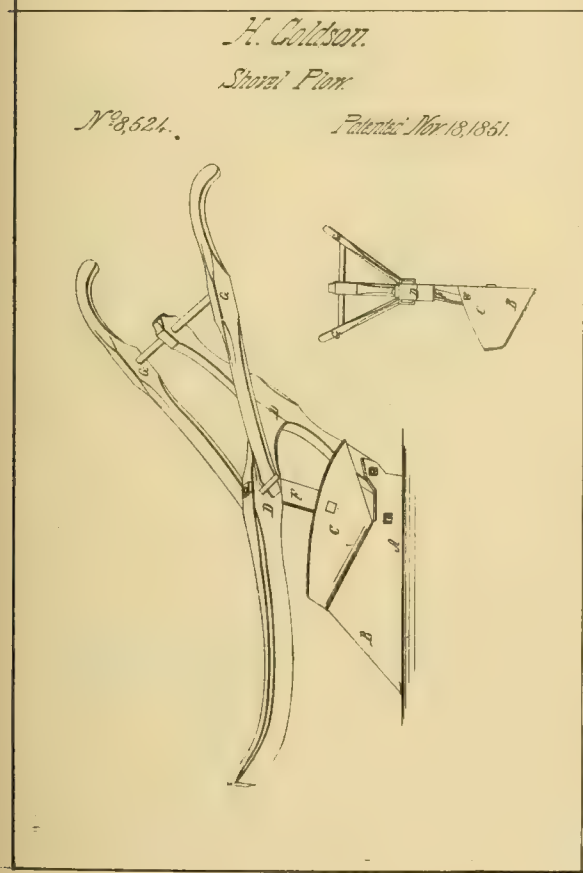
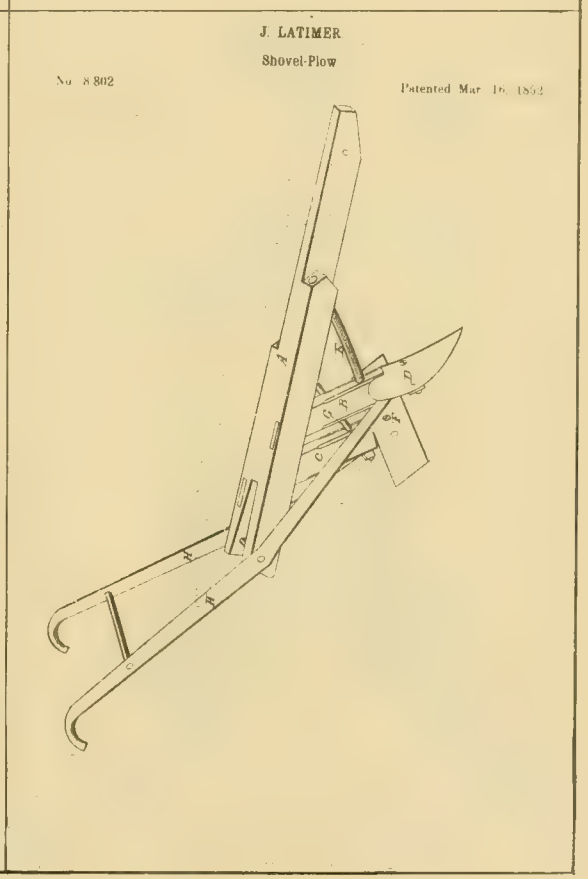


	Plate	Claim
Barry, A. P.	276	169
Beard, G. W.	264	166
Beard, G. W.	280	171
Bell, N. and Winfield, H.	278	170
Billups, C.	269	167
Blanchard, W. R.	271	168
Bowling, B. F.	272	168
Brantly, J.	288	173
Brinly, T. E. C.	274	169
Buhoup, H. C.	283	172
Buhoup, H. C.	284	172
Burbridge, C. H.	267	166
Cameron, J. C.	275	169
Carraway, L. W.	286	173
Casey, C.	265	166
Cobb, J. M.	266	166
Cobb, J. M.	279	170
Cullen, J. M.	261	165
Davis, C. C. and Mercer, W. H.	289	174
Day, A.	273	168
Earnhart, M.	265	166
Estes, C. E.	286	172
Eustace, M. and Kennan, J. and T.	281	171
Ewings, O. G.	262	165
Farnsworth, J. L.	289	174
Farguhar, A. B.	281	171
Farr, C. K.	262	165
Finney, W. C.	261	165
Fleming, T. T.	270	167
Gaines, C. A.	263	166
Gamong, L. M.	273	168
Gates, W. A.	262	165
Gay, G. B.	286	172
Gillaspie, L. C. Sr.	283	171
Goldson, H.	261	165
Gotton, N.	269	167
Graves, W. W.	267	166
Guice, T.	274	169
Haiman, E.	279	170
" " (R.)	280	170
Hardy, D.	290	174
Harris, T. J.	272	168
Harris, J. R.	276	169
Harris, J. R.	277	169
Harris, J. R.	277	170
Harrison, I. F.	282	171
Harvey, W. W.	285	172
Heiway, F. E. and Walls, J. J.	276	169
Henderson, J.	264	165
Hill, A. R.	287	173
Jarrell, W.	278	170
Johnson, R. A.	287	173
Johnson, R. A.	288	173
Johnson, R. A.	288	173
Jones, E. P, and Harrell J. L.	275	169
King, J. R.	265	166
Landon, T. R.	283	172
Lattimer, J.	261	165
Lee, T. J.	282	171
Lindsey, H.	289	174
Lyon, J. M. P.	274	169
Lyon, H. L.	287	173
Lytch, J.	273	168
McMurry, C. W.	284	172
McRae, R.	282	171
March, S.	269	167
March, S.	270	167
March, 2nd. C.	277	169
March, 2nd. C.	277	170
Meggs, H. P.	289	173
Milholen, W. L.	267	166
Milliron, G.	273	168
Mitchell, J. H.	265	166
Newton, J. R.	283	171
Perkins, E. H. and S. D.	284	172
Pugh, J. L.	285	172
Reese, F.	271	168
Reynolds, J.	271	168
Reynolds, J.	272	168
Rice, G. W	268	167
Richards, J. M.	286	173
Rittenhouse, D. G.	272	168
Robertson, T. A.	264	166
Sandlin, W.	280	171
Saunders, T.	269	167
Sharkey, P.	264	166
Shepard, J.	268	167
Shields, F. M.	280	171
Smith, J. S.	271	168
Snow, M.	266	166
Speer, J. A. Jr.	268	167
Speer, W. W.	285	172
Spencer, R. W.	287	173
Springsteen, A. B.	276	169
Street, H. G.	267	167
Swart, J.	268	167
Swofford, J. P.	278	170
Teague, J. C.	266	166
Terrell, H. D.	285	172
Thom, D. K.	263	165
Thurston, F. G.	279	170
Toms, Z. and McMullan, L. W.	275	169
Trantham, T. H.	275	169
Vick, R. A.	263	165
Warren, T. P.	270	167
Wells, E.	266	166
Wiley, J.	274	169
Wilson, J. M.	270	167
Wingate, R. H.	288	173
Winger, J. G.	263	165
Yost, G. W. N.	262	165
Zocher, C.	278	170


J. M. Cullen.
Plow.
No 4,553.
Patented May 30, 1846.
Fig: 1.
Fig: 2
Fig: 3.


W. C. Finney.
Shovel Plow.
No 6,379.
Patented Apr. 24, 1849.

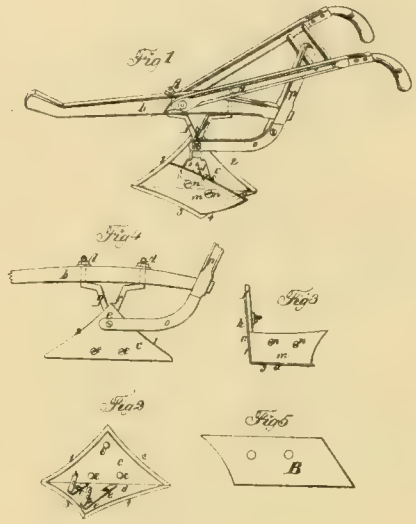

H. Goldson.
Shovel Plow.
No 8,624.
Patented Nov 18, 1851.


J. LATIMER
Shovel-Plow
No 8 802
Patented Mar 16, 1852

W. A. GATES.

Shovel-Plow.

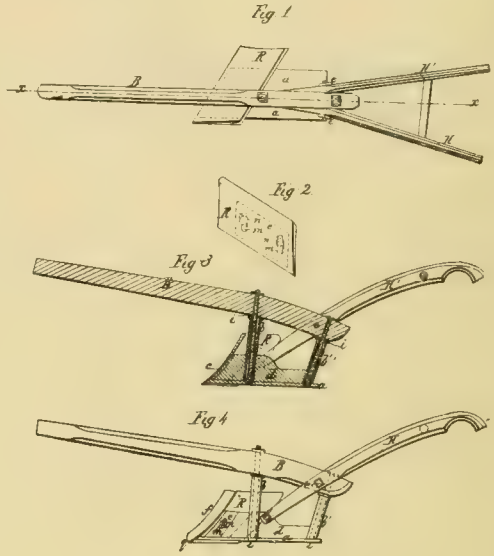
No. 9,483 Patented Dec. 21, 1852.



C. H. [illegible]

Shovel Plow.

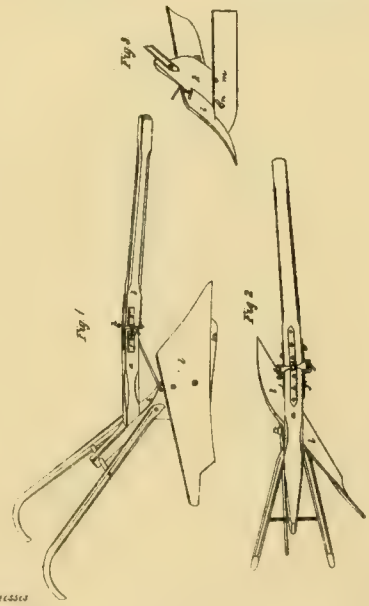
No. 11,454. Patented Aug. 1, 1854.



O. C. Ewings.

Plow.

No. 11,601. Patented Aug. 29, 1854.



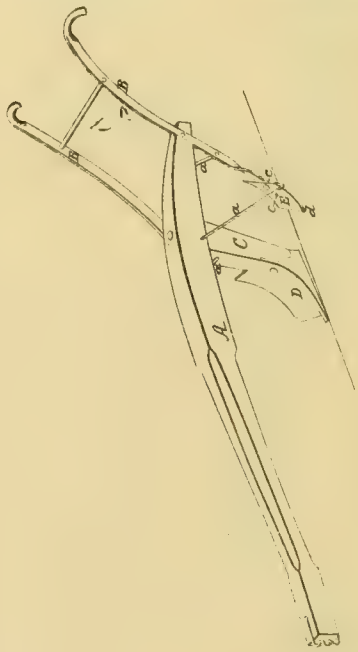
Witnesses

Inventor

G. W. N. West.

Cultivator.

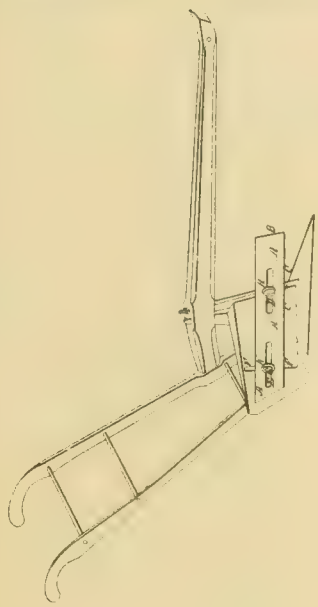
No. 12,671. Patented Mar. 20, 1855.



D. H. Thorn.

Plow.

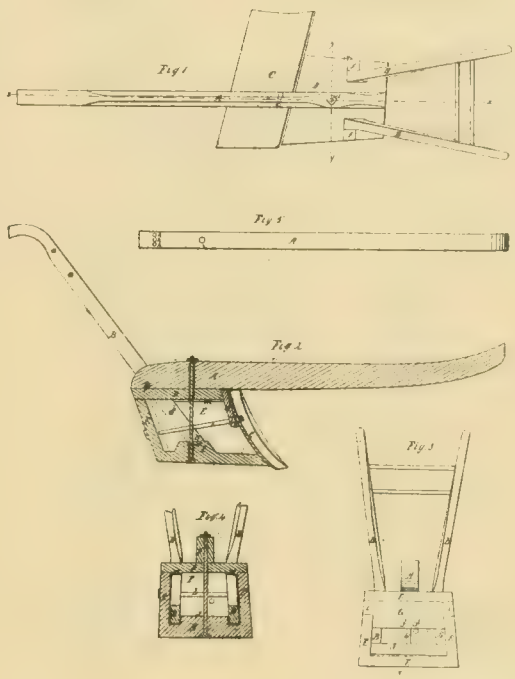
No. 18,475. Patented Oct. 20, 1857.



R. A. Vick.

Shovel Plow.

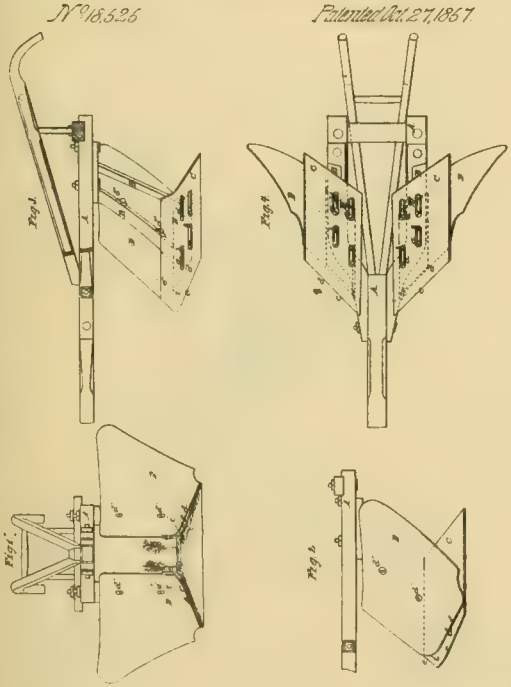
No. 18,478. Patented Oct. 20, 1857.



J. C. Wagner.

Cultivator.

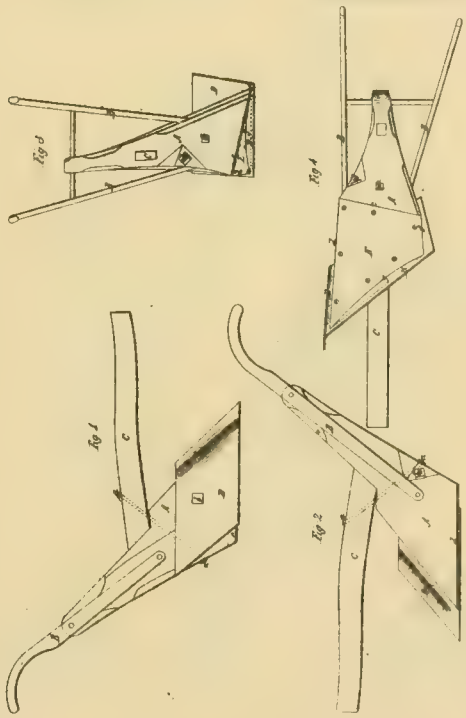
No. 18,525. Patented Oct. 27, 1857.



C. A. Caines.

Shovel Plow.

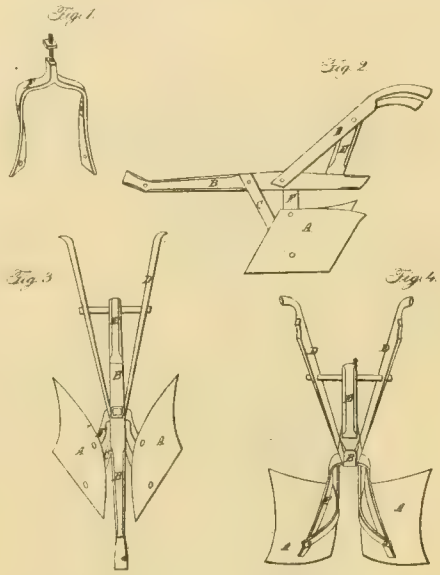
No. 21,657. Patented Oct. 5, 1858.



J. HENDERSON.

Shovel-Plow.

No. 23,971 Patented Mar. 8, 1859.



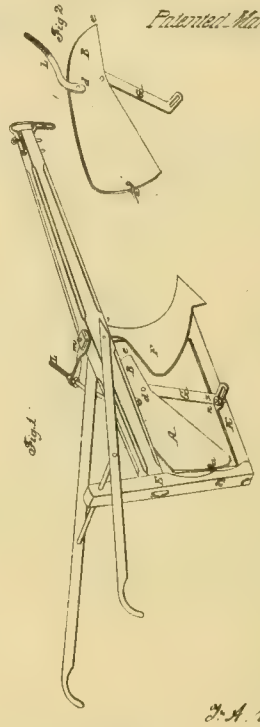
Witnesses:
J. A. P. Campbell
William Fuller

Inventor:
John Henderson

T. A. Robertson.

Shovel Plow.

No. 23,395. Patented Mar. 29, 1859.



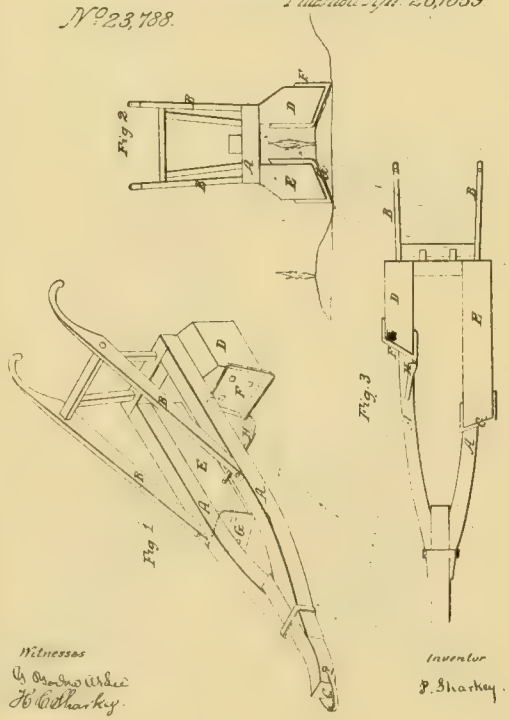
Witnesses
Chas. G. Page
Wm. H. Harrison.

Inventor.
T. A. Robertson.

P. Sharkey.

Cultivator.

No. 23,788. Patented Apr. 26, 1859



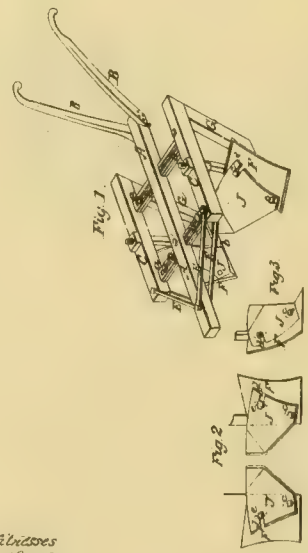
Witnesses
G. Woodworth
H. C. Sharkey.

Inventor
P. Sharkey.

G. W. BEARD.

Cultivator.

No. 24,983. Patented Aug. 9, 1859.



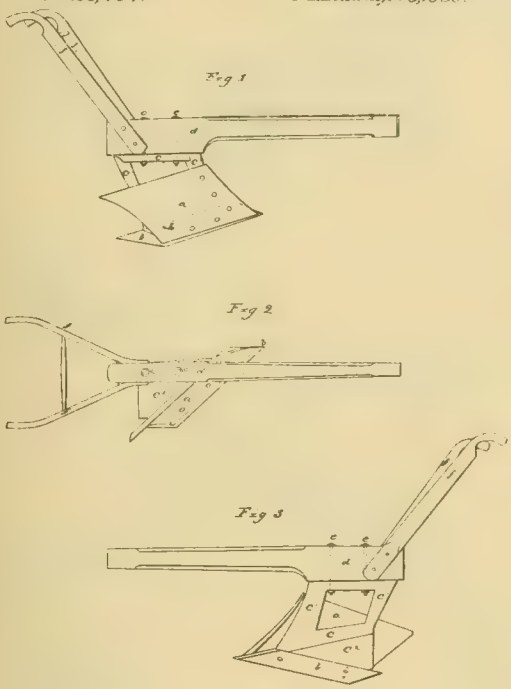
Witnesses
W. H. Lumber
C. H. Goulet.

Inventor.
George W. Beard.

J. H. Wickell.

Shovel Plow.

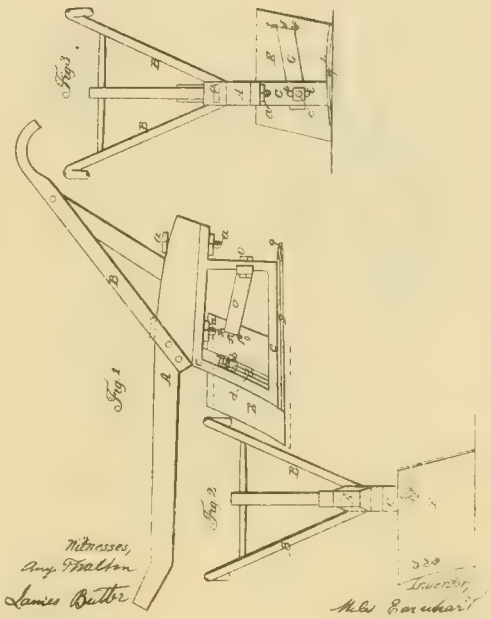
No. 25,434. Patented Sept. 13, 1859.



M. EARNHART.

Shovel-Plow.

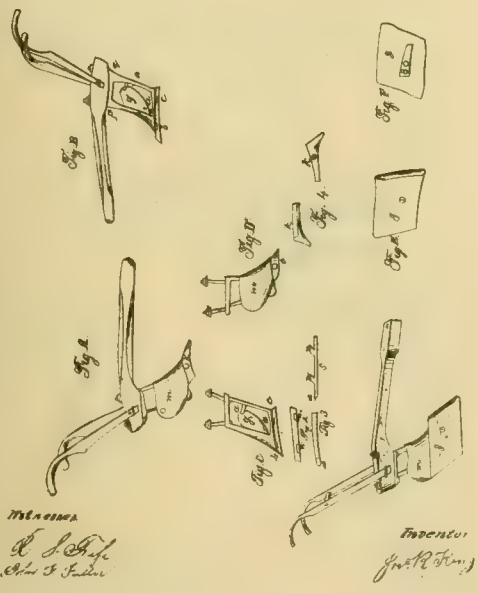
No. 26,096. Patented Nov. 15, 1859.



J. R. KING.

Shovel-Plow.

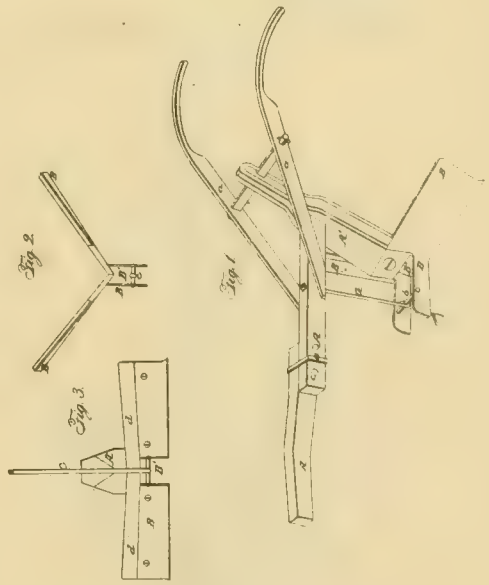
No. 26,697. Patented Dec. 27, 1859.



C. CASEY.

Shovel-Plow.

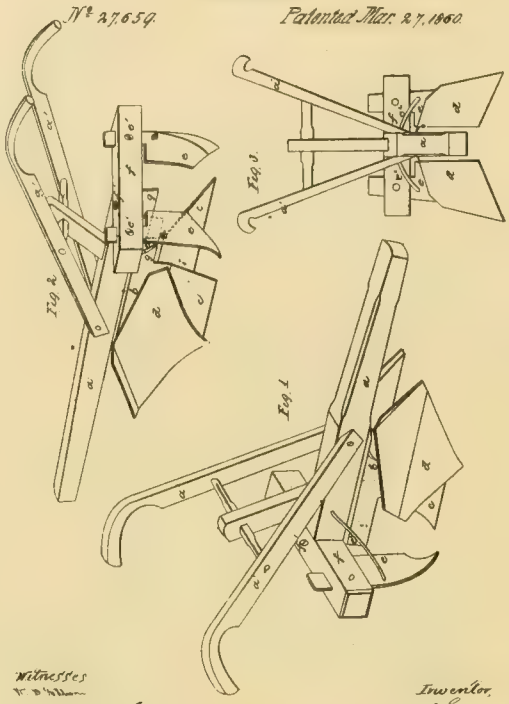
No. 27,616. Patented Mar. 27, 1860.



M. Snow.

Cultivator.

No. 27,659. Patented Mar. 27, 1860.



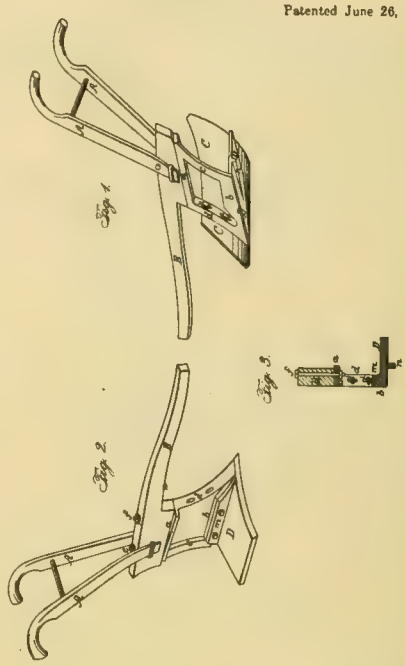
Witnesses
F. D'Allen
Henry Burbank

Inventor,
M. Snow

J. M. COBB.

Shovel-Plow.

No. 28,835. Patented June 26, 1860.



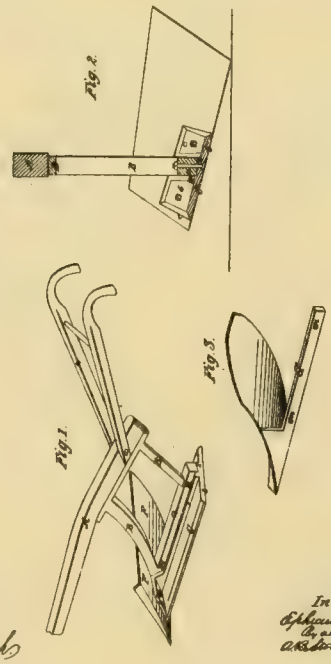
Witnesses:
S. Cohen
J. Hirsch

Inventor,
James M. Cobb
per attg. A. B. Stoughton

E. Wells.

Shovel Plow.

No. 29,836. Patented Aug. 28, 1860.



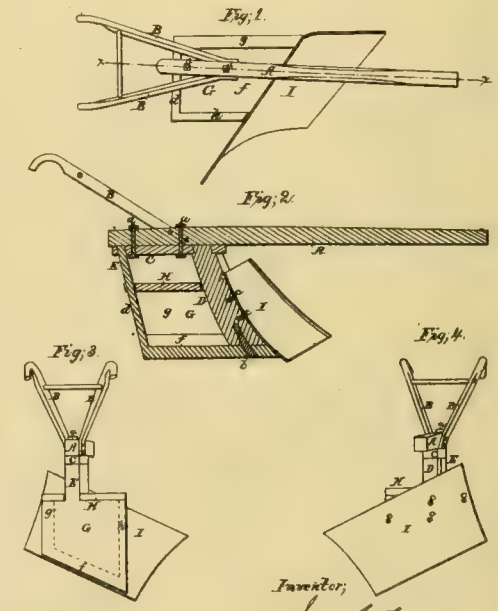
Witnesses.
S. Cohen
J. Hirsch

Inventor.
Ephraim Wells
by attorney
A. B. Stoughton

J. C. Teague.

Shovel Plow.

No. 29,924. Patented Sept. 4, 1860.



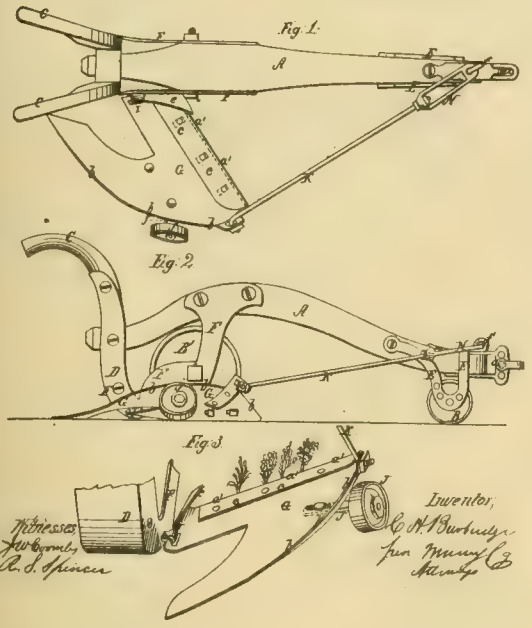
Witnesses;
Francis Smith
R. F. Aegrod

Inventor;
James C. Teague
By his atty.
L. Schwon

C. H. Burbridge.

Shovel Plow.

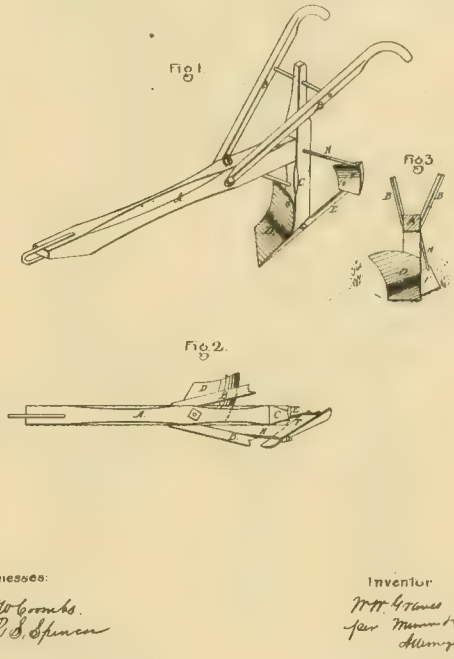
No. 30,718. Patented Nov. 27, 1860.



W. W. Graves.

Shovel Plow.

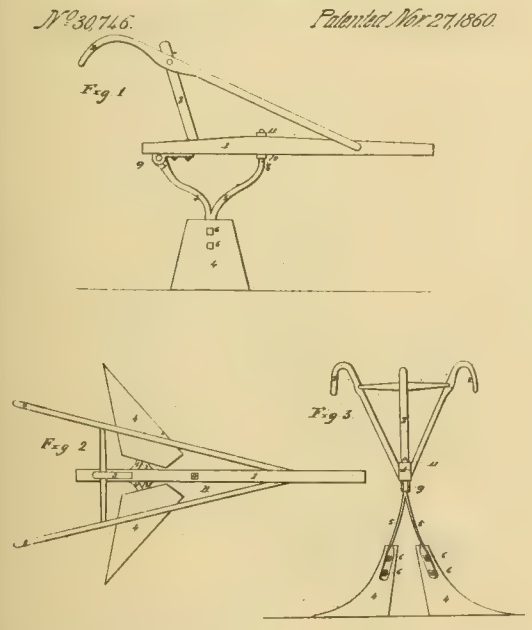
No. 30,729. Patented Nov. 27, 1860.



W. L. Milholen.

Shovel Plow.

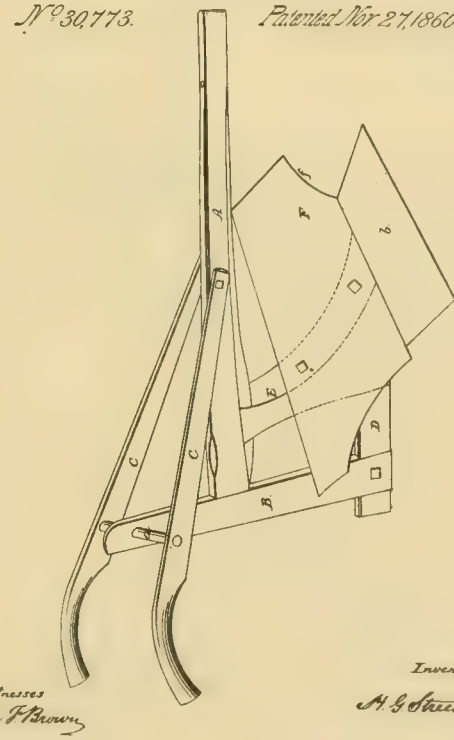
No. 30,746. Patented Nov. 27, 1860.



H. C. Street.

Shovel Plow.

No. 30,773. Patented Nov. 27, 1860.

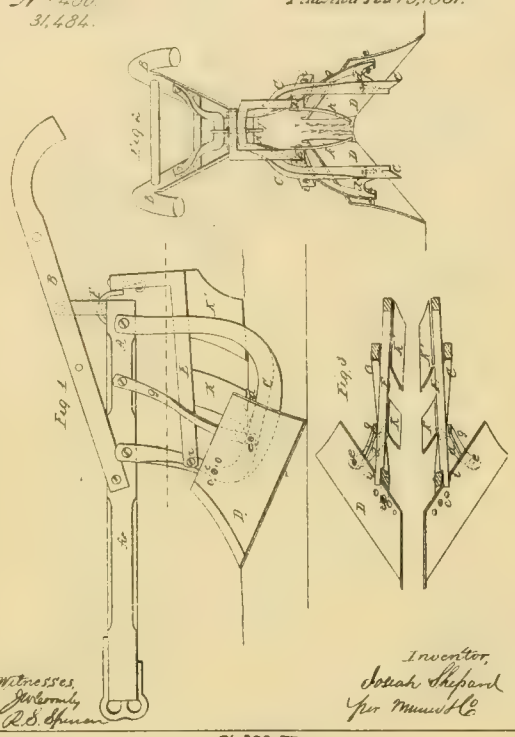


J. Shepard.

Shovel Plow.

No. 480. 31,484.

Patented Feb. 19, 1861.



Witnesses,
J. W. Crosby
R. S. Spencer

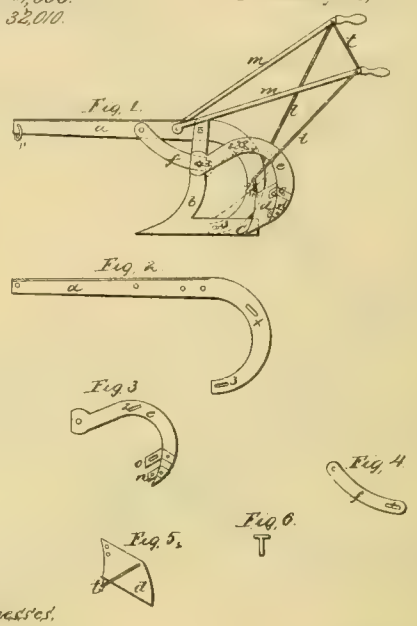
Inventor,
Josiah Shepard
per Munn & Co.

J. A. Speer, Jr.

Cultivator.

No. 1,006. 32,010.

Patented Apr. 9, 1861.



Witnesses,
James J. Johnston
George P. Stick

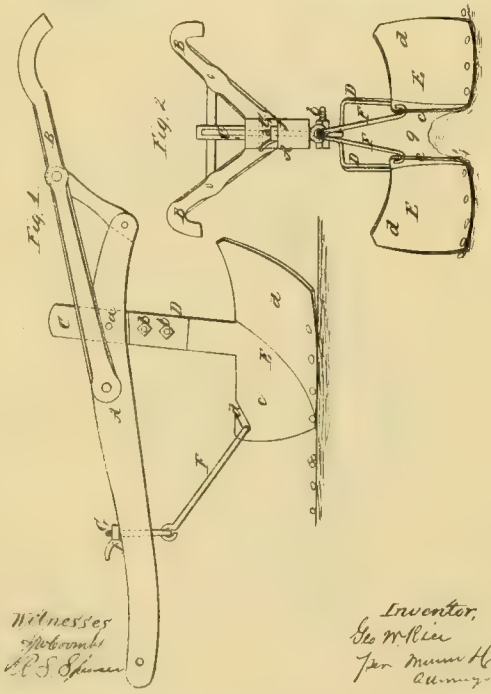
Inventor,
James A. Speer Jr.

G. W. Rice.

Shovel Plow.

No. 1,078 32,082

Patented Apr. 16, 1861.



Witnesses
J. W. Crosby
R. S. Spencer

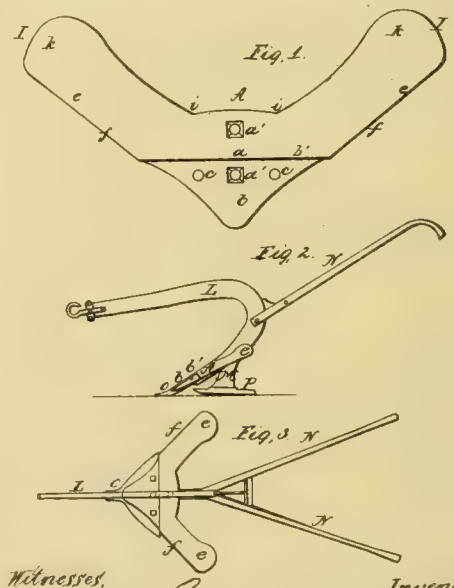
Inventor,
Geo. W. Rice
per Munn & Co.
Attorneys.

J. Swart.

Shovel Plow.

No. 41,728.

Patented Feb. 23, 1864.



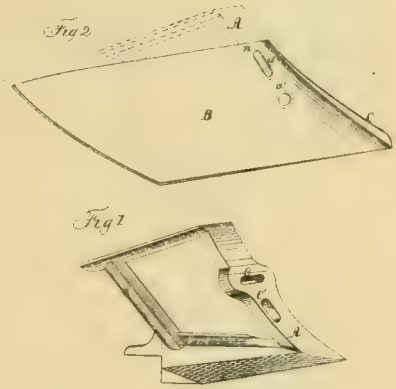
Witnesses,
Charles D. Smith
Charles Dubois

Inventor,
James Swart

N. GOTTEN.

Shovel-Plow.

No. 60,879 Patented Jan 1 1867



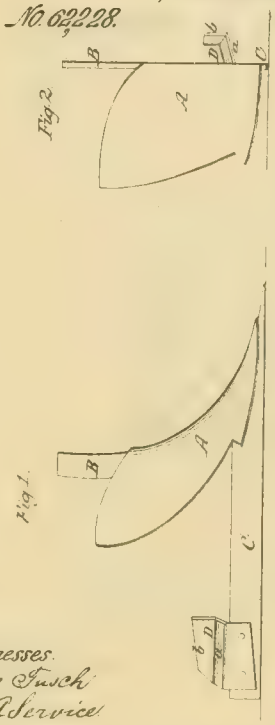
Witnesses
F. A. Jackson
W. Frum

Inventor
N. Gotten
Per Munn & Co
Attys

T. Saunders,

Shovel Plow.

No. 62,228. Patented Feb. 19. 1867.



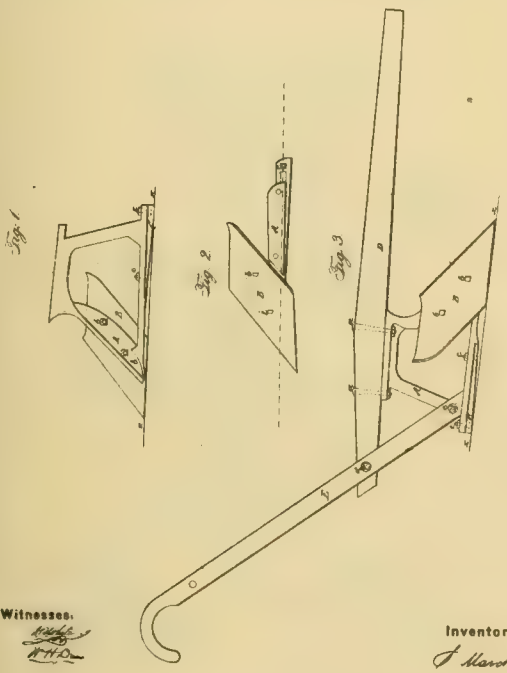
Witnesses.
Theo Tusch
J. A. Service

Inventor
Turner Saunders
Per Munn & Co
Attorneys

S. MARCH.

Shovel-Plow.

No. 63,912. Patented Apr. 16. 1867



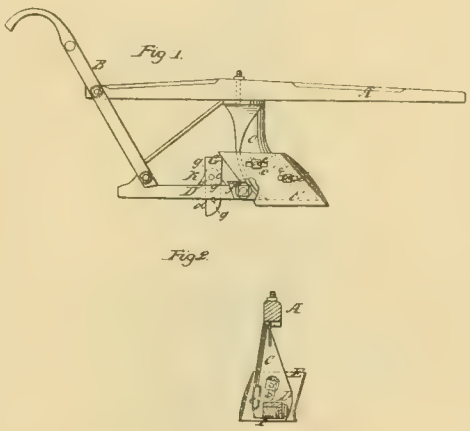
Witnesses:

Inventor.
S. March

C. BILLUPS.

Shovel-Plow

No. 67,252. Patented July 30 1867



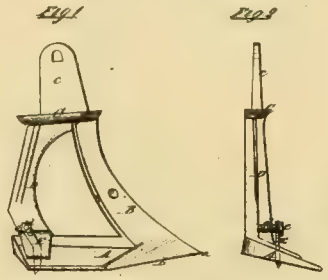
Witnesses:
Chas. A. Potter
N. Hollsworth

Inventor.
C. Billups
by Munn & Co.
Attorneys

T. T. Fleming.

Cotton Scraper.

No. 68,896. Patented Aug. 20, 1867.



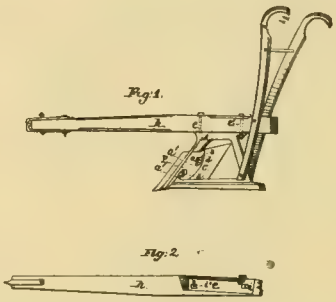
Witnesses:
Theo Inache
W. Spurn

Inventor:
T. T. Fleming
Per Munn & Co
Attorneys

S. MARCH.

Plow Frame.

No. 77,203. Patented April 28, 1868.



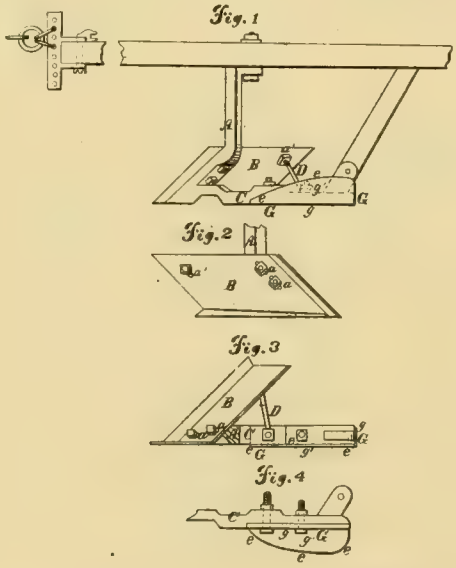
Witnesses:
Sam. Pool
Thos Jewett

Inventor:
Seth March
by Geo E. Brown
Atty.

T. P. WARREN.

Plow.

No. 77,855. Patented May 12, 1868.



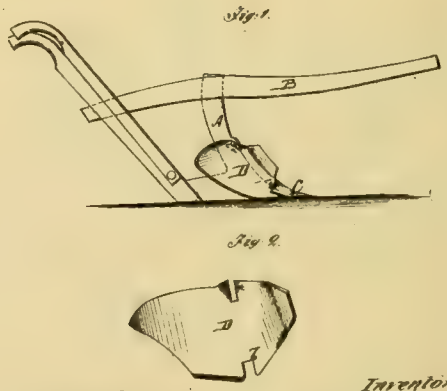
Witnesses:
J. C. Kinsman
B. A. Pratt

Inventor:
T. P. Warren
By Munn & Co.
Attorneys

J. M. Wilson,

Shovel Plow.

No. 79,091. Patented June 23, 1868.



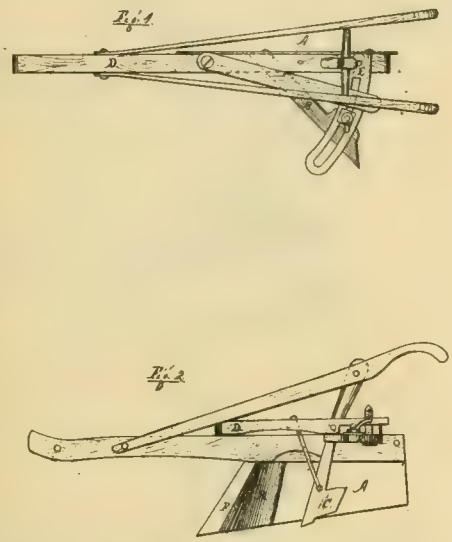
Witnesses.
H. C. Ashcroft
Wm. A. Wright

Inventor:
J. M. Wilson
per Munn & Co
Attorneys

F REESE.

Shovel Plow.

No. 82,990. Patented Oct. 13, 1868.



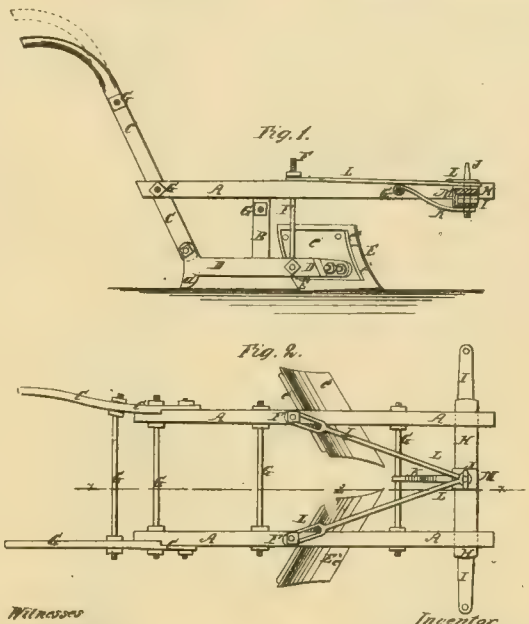
Witnesses.
M. G. Porter
Albert Keeler

Inventor.
Francis Reese

W. R. Blanchard,

Cultivator.

No. 86,205. Patented Jan. 26. 1869.



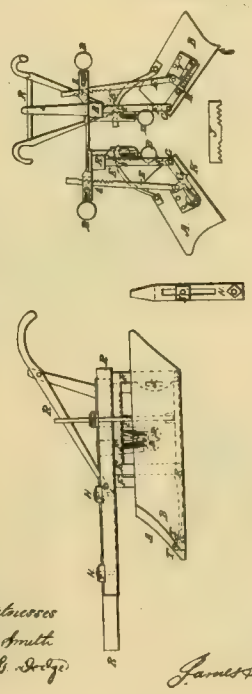
Witnesses
M. Melander
Hr a Morgan

Inventor
Wm R. Blanchard
per Munn & Co
Attorneys

I. S. Smith.

Cotton Scraper.

No. 86,704. Patented Feb. 9, 1869.



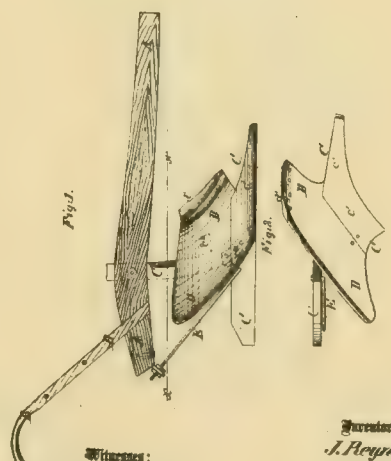
Witnesses
Wm A Smith
Stephen G. Dodge

Inventor
James Scott Smith

J. Reynolds,

Plow.

No. 94,774. Patented Sept. 14. 1869.



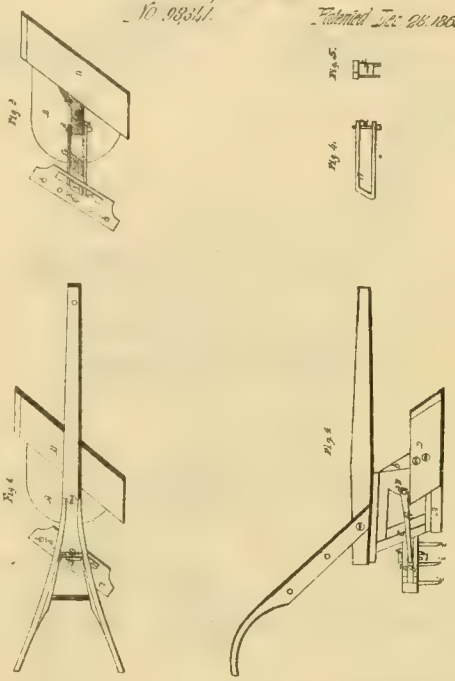
Witnesses:
Geo. Chase
Jno. H. Brooks

Inventor:
J. Reynolds
per
Munn & Co
Attorneys.

F. F. Fowling.

Plow.

No. 98,351. Patented Jan. 28, 1869

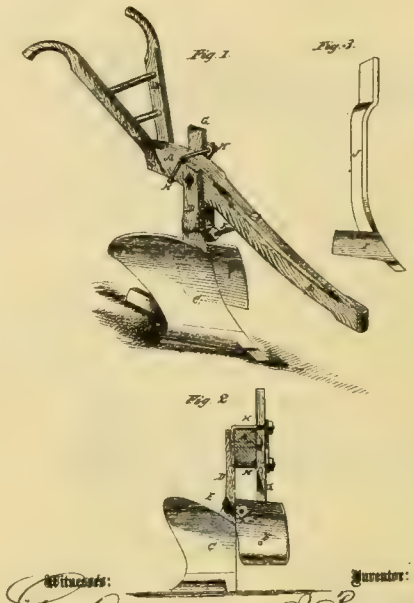


B. F. Fowling.
Pltfs. Atty.
J. D. Brown

J. Reynolds,

Subsoil Plow.

No. 100,188 Patented Feb. 22, 1870.



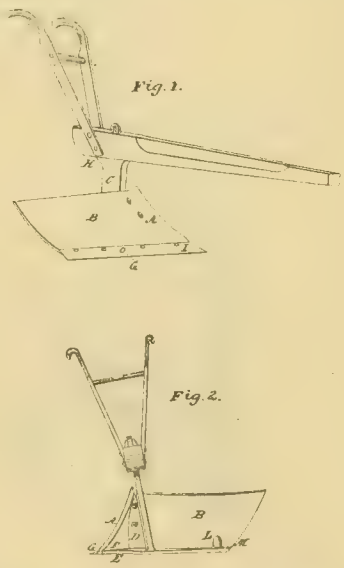
Witnesses:
Gustave Dieterich
Dr. O. T. Brooks

Inventor:
J. Reynolds
Per
Munn & Co
Attorneys.

T. J. HARRIS.

Cotton Scraper.

No. 103,877. Patented June 7, 1870.



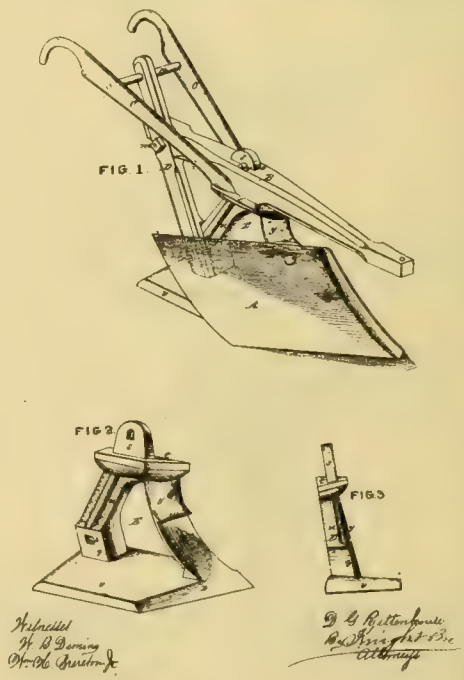
Witnesses:
Edwin G. Thomas
James M. Layne

Inventor:
Thomas J. Harris

D. G. Rittenhouse,

Cotton Scraper.

No. 102,930. Patented June 7, 1870.



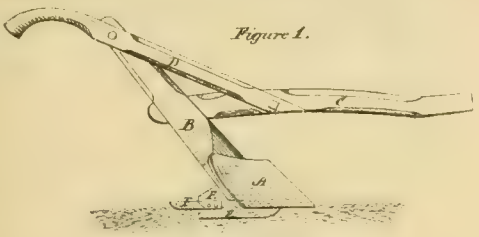
Witnesses
H. B. Deming
Dr. O. T. Brooks

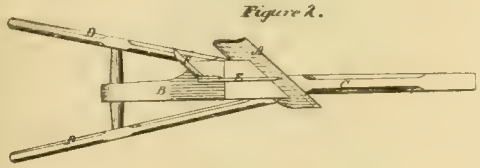
D. G. Rittenhouse
By Wright Bros.
Attorneys

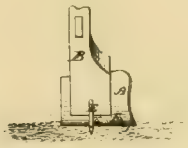
J. LYTCH.

Cotton Scraper.

No. 104,396. Patented June 14, 1870.







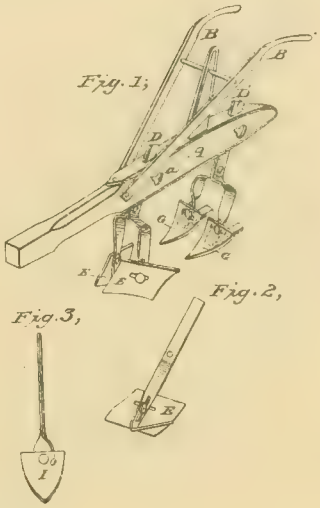
Witnesses: Chas Clipperman, P. A. Deins

Inventor: James Lytch, By his attorneys, Clipperman & Johnson.

L. M. GANONG.

Cultivator.

No. 105,326. Patented July 12, 1870.



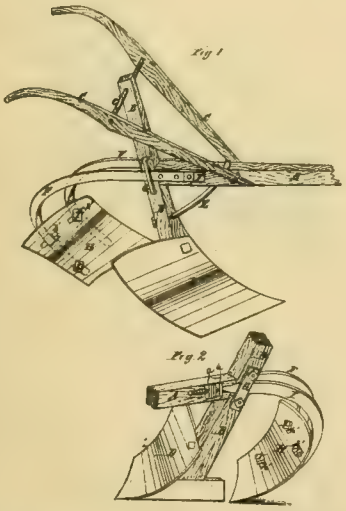
WITNESSES: Jno A. Ellis, J. P. White

INVENTOR. Lewis M. Ganong, per T. H. Alexander, atty.

A. Day,

Plow.

No. 108,979. Patented Nov. 8, 1870.



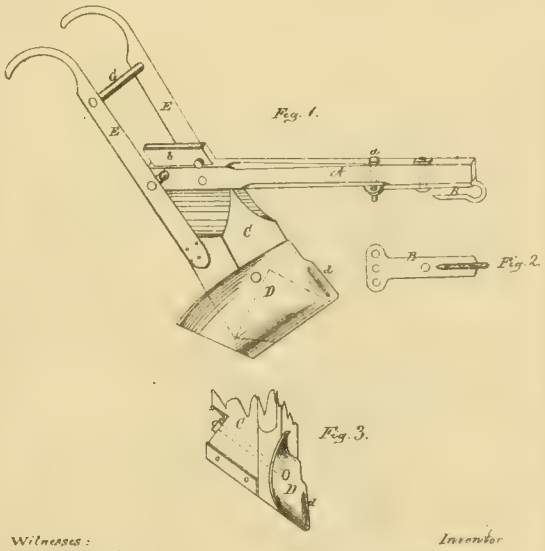
Witnesses: J. Armstrong, S. S. Mabee

Inventor: A. Day, per Munn & Co. Attorneys.

G. MILLIORN

Shovel Plow.

No. 109,334. Patented Nov. 15, 1870.



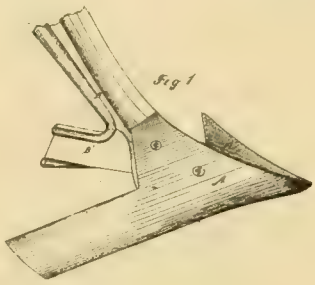
Wilnesses: Chas Jacobs, J. P. White

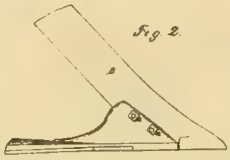
Inventor: George Milliorn, per T. H. Alexander, Atty.

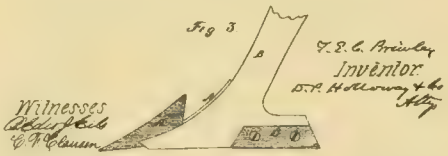
T. J. C. Brinly,

Cotton Sweep.

No. 109,491. Patented Nov. 29, 1870.



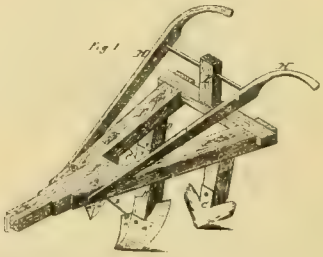




T. Guice,

Cotton Plow

No. 109,803 Patented Dec. 6, 1870.



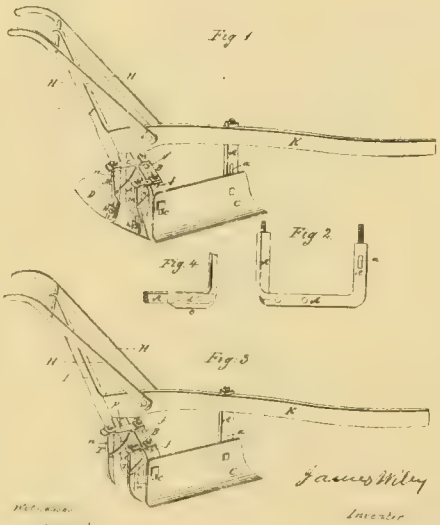
Witnesses: Inventor: Thomas Guice

Attorneys.

J. WILEY.

Cotton Plow.

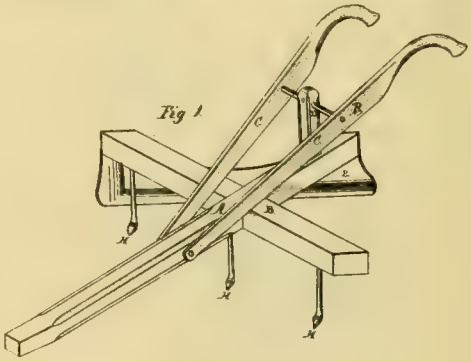
No. 110,411. Patented Dec. 20, 1870.



J. M. P. Lyon,

Cotton Scraper.

No. 110,988. Patented Jan. 17, 1871.



Witnesses.

John H. Ely

John A. Shelton

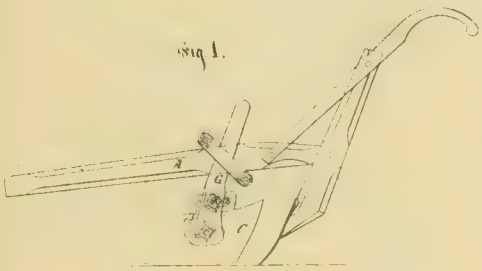
Inventor:

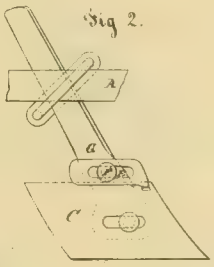
J. M. P. Lyon

T. H. Trawthaw.

Cotton Scraper.

No. 113,307. Patented Apr. 4, 1871.





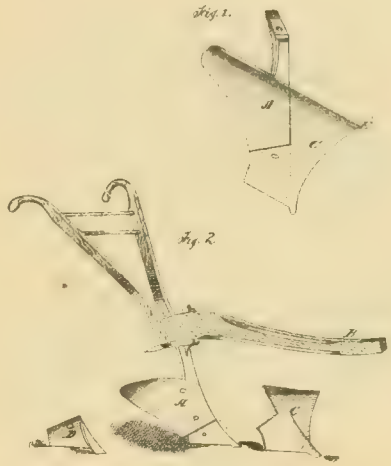
Witnesses.
J. H. Sypherd
Alonzo Hughes

Inventor.
Thos H. Trawthaw.

N. C. Cameron.

Plow.

No. 113,625. Patented Apr. 11, 1871.



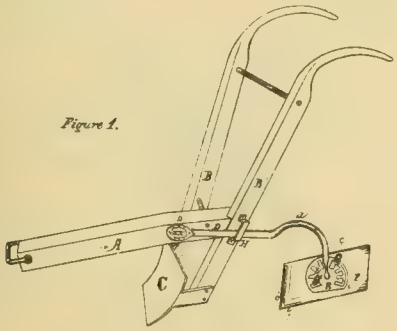
Witnesses:
P. C. Dieterich
Wm. H. B. Smith

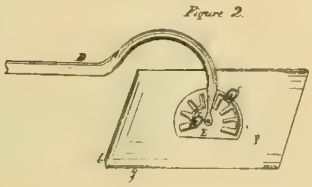
Inventor:
J. N. Cameron
Per Wm. C. Dodge
Attorneys.

E. P. JONES & J. F. HARRELL.

Improvement in Cultivators.

No. 118,946. Patented Sep. 12, 1871.





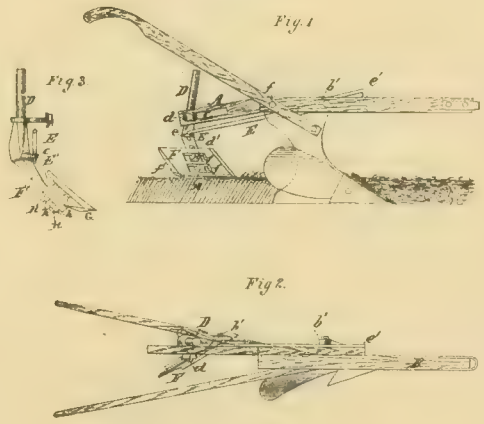
Witnesses:
Porter H. Swed. Jr.
A. H. Norris.

Inventors
E. P. Jones
J. F. Harrell.
By their Atty
James L. Norris.

Z. TOMS & L. W. McMULLAN.

Improvement in Cultivators.

No. 126,165. Patented April 30, 1872.



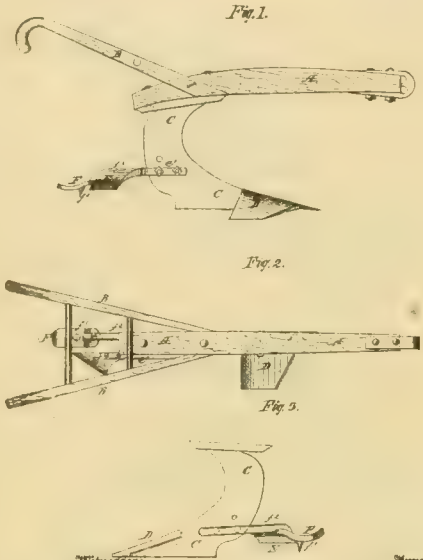
Witnesses.
Wm. H. Sypherd
O. Hudson Jr.

Inventors:
Z. Toms & L. W. McMullan
By James L. Norris.
Atty.

A. B. SPRINGSTEEN.

Improvement in Cultivators.

No. 126,991. Patented May 21, 1872.



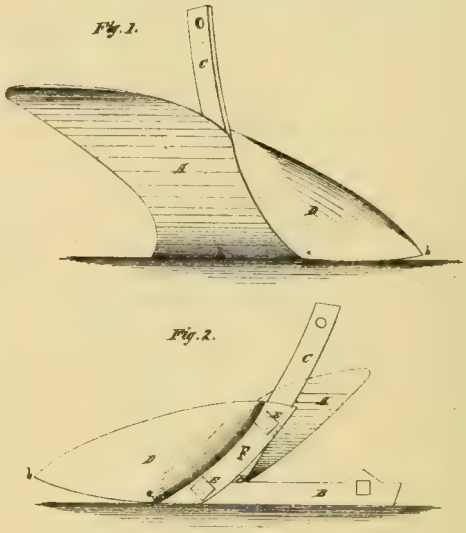
Witnesses:
P. C. Dittmar
Geo. W. Mabee

Inventor:
A. B. Springsteen
per Munn & Co.
Attorneys.

J. R. HARRIS.

Improvement in Plows.

No. 128,390. Patented June 25, 1872.



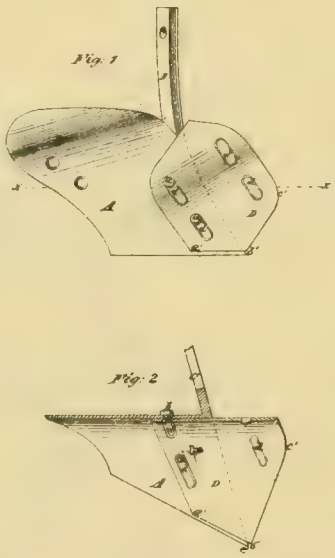
Witnesses:
P. C. Dittmar
Wm. H. C. Smith.

Inventor:
J. R. Harris.
per Munn & Co.
Attorneys.

F. E. HEIWAY & J. J. WALLS.

Improvement in Cotton-Cultivators.

No. 128,393. Patented June 25, 1872.



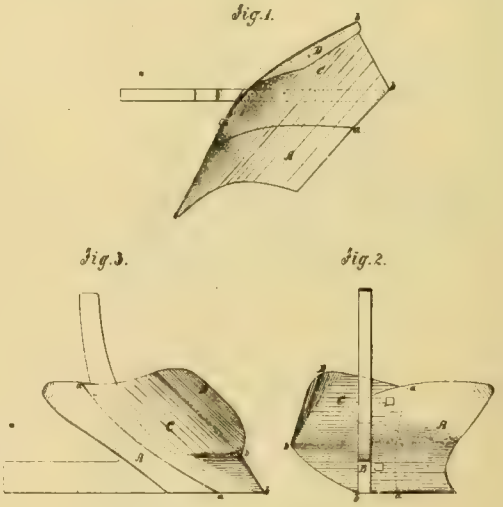
Witnesses:
Geo. Harney
R. Ryckman

F. E. Heiway
J. J. Walls
per Munn & Co
Attorneys

A. P. BARRY.

Improvement in Plows.

No. 129,265. Patented July 16, 1872.



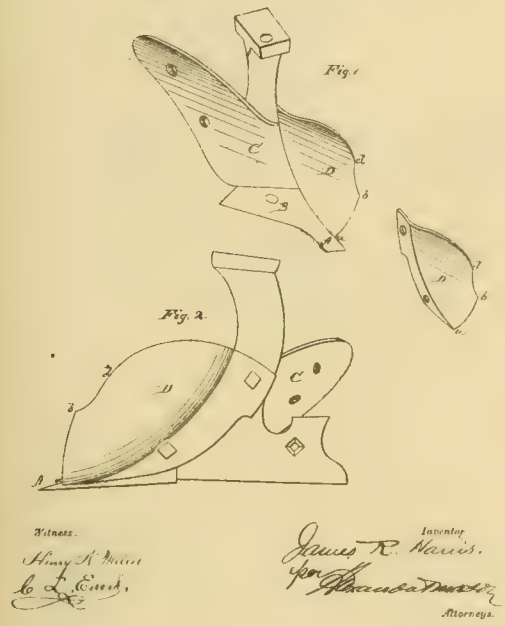
Witnesses:
A. Bonnewitz
Gustave Dietrich

Inventor:
A. P. Barry
per Munn & Co
Attorneys.

J. R. HARRIS.

Improvement in Plows.

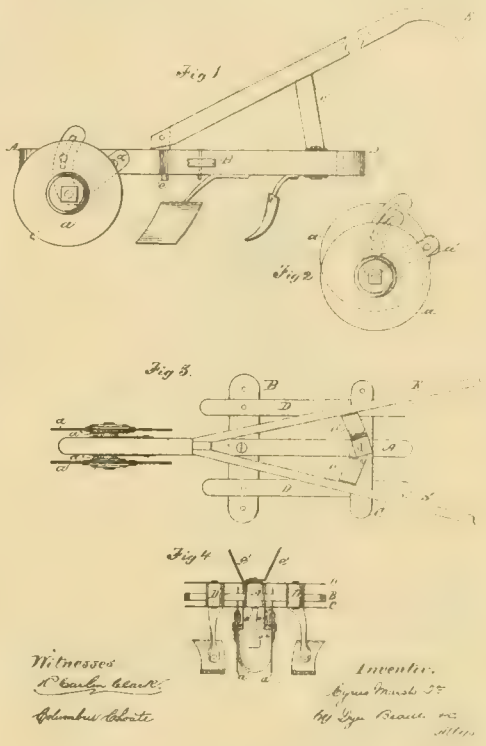
No. 132,828. Patented Nov. 5, 1872.



C. MARSH, 2d.

Cultivators.

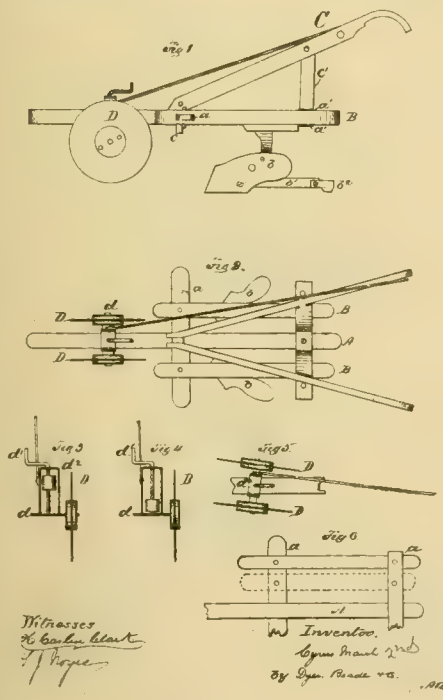
No. 133,467. Patented Nov. 26, 1872.



C. MARSH, 2d.

Cotton-Scrapers.

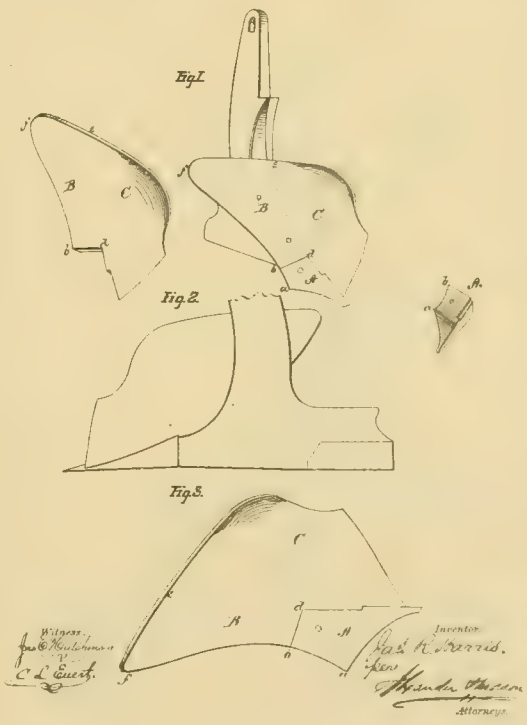
No. 134,080. Patented Dec. 17, 1872.



J. R. HARRIS.

Plows.

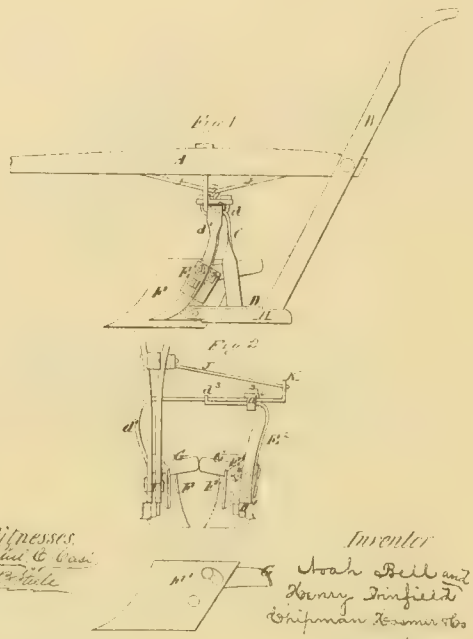
No. 134,275. Patented Dec. 24, 1872.



N. BELL & H. WINFIELD.

Cotton-Cultivators.

No. 134,632. Patented Jan. 7, 1873

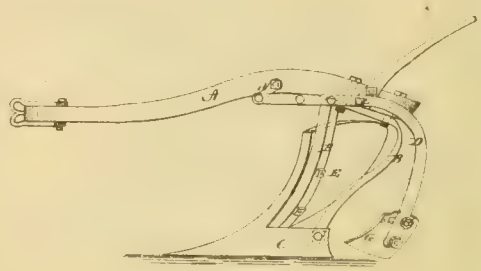


Witnesses.
Inventor
Noah Bell and
Henry Winfield
Chipman Kramer & Co.
Attys

J. P. SWOFFORD.

Scraper Attachment to Plows.

No 135,863 Patented Feb. 11, 1873.

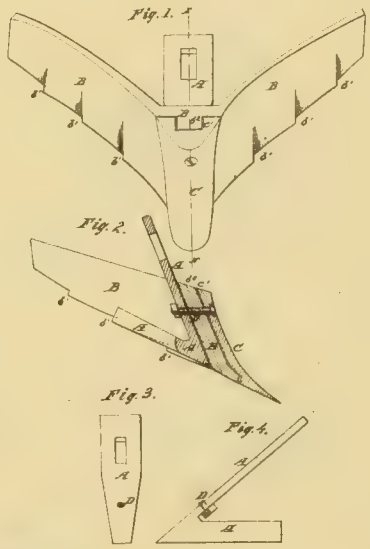


Witness.
Inventor
James P. Swofford.
per
Attorneys.

C. ZOCHER.

Cotton-Cultivators.

No 139,750 Patented June 10, 1873.



Witnesses:

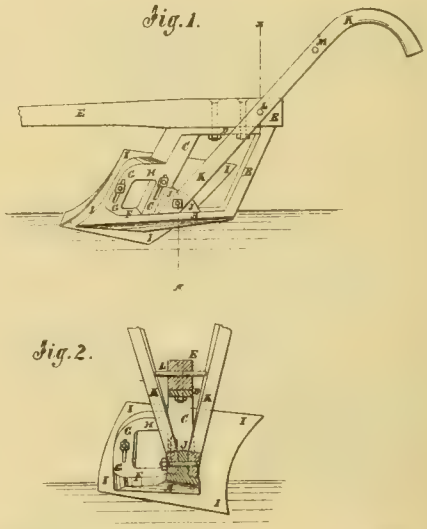
Inventor:
C. Zocher
Per
Attorneys.

2 Sheets--Sheet 1

W. JARRELL.

Cotton Scrapers.

No. 141,355. Patented July 29, 1873.



Witnesses:

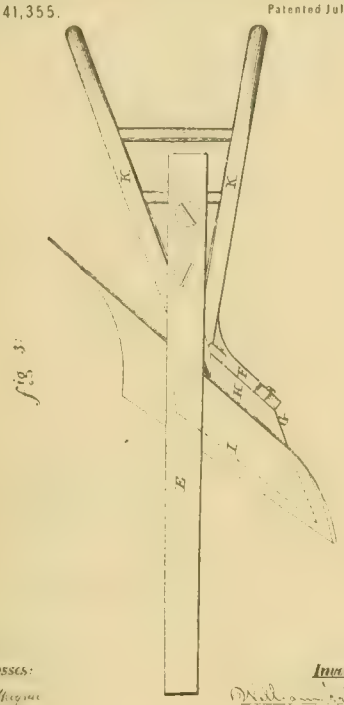
Inventor:
W. Jarrell
Per
Attorneys.

2 Sheets--Sheet 2

W. JARRELL.

Cotton Scrapers.

No. 141,355. Patented July 29, 1873.



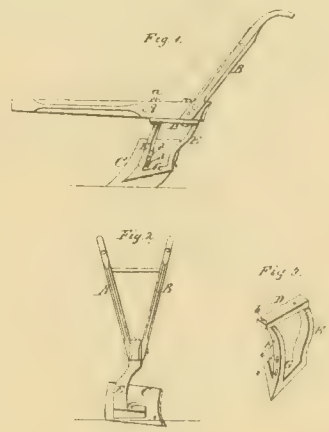
Witnesses:

Inventor:

J. M. COBB.

Cotton Scraping-Plows.

No. 144,509. Patented Nov. 11, 1873.



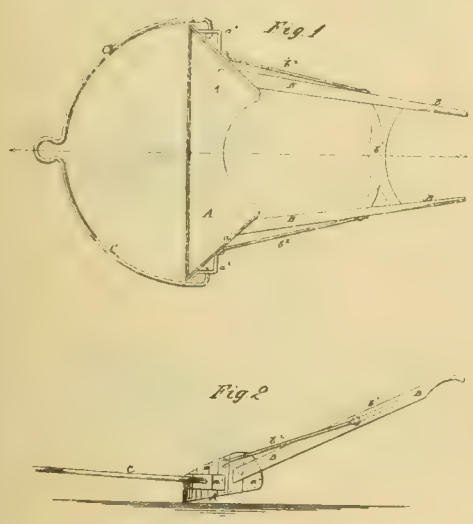
WITNESSES

INVENTOR

F. G. THURSTON.

Furrow-Scrapers.

No. 146,848. Patented Jan. 27, 1874.



Witnesses:

Inventor:

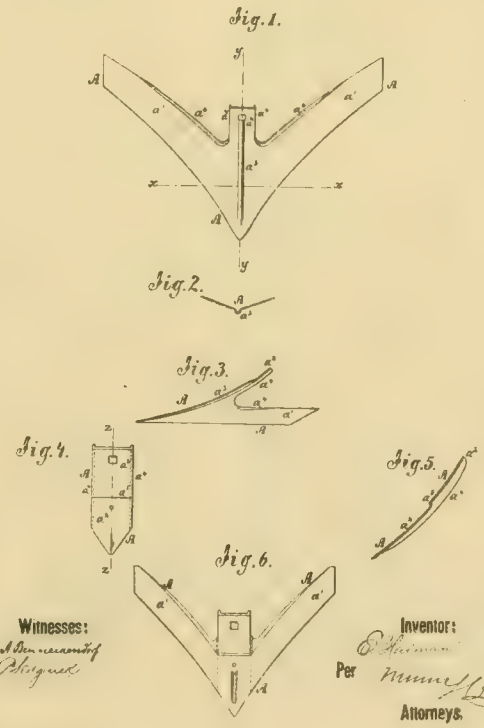
Per

Attorneys.

E. HAIMAN.

Sweeps for Cultivators and Plows.

No. 147,633. Patented Feb. 17, 1874.



Witnesses:

Inventor:

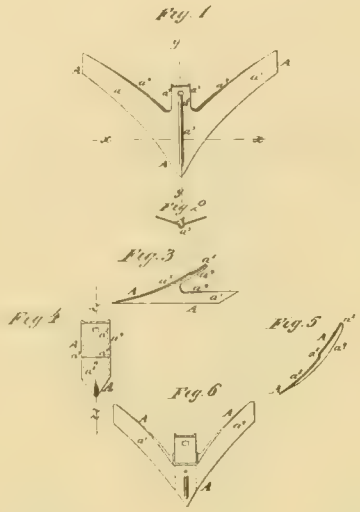
Per

Attorneys.

E. HAIMAN.

SWEEPS FOR CULTIVATORS AND PLOWS.

No. 6,887. Reissued Feb. 1, 1876.



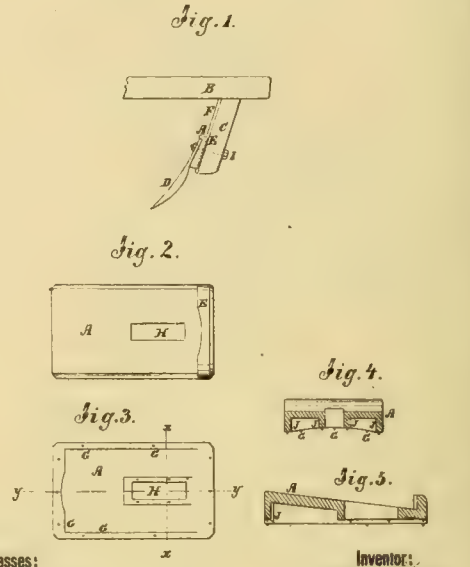
WITNESSES:
A. W. Kingsley
Alex. F. Roberts

INVENTOR:
Elias Haiman
BY
ATTORNEYS.

F. M. SHIELDS.

Plow Supporters.

No. 151,549. Patented June 2, 1874.



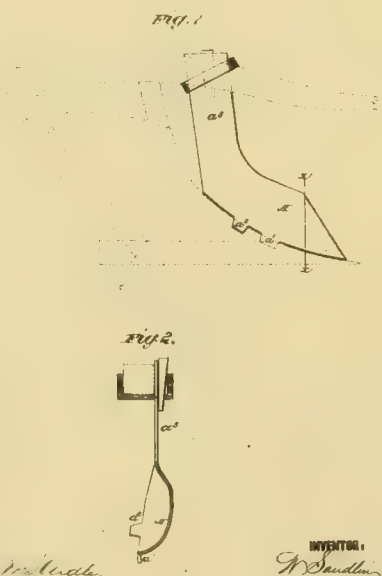
Witnesses:
A. Bonnemann Jr.
L. Stuyvesant

Inventor:
F. M. Shields
Per
Attorneys.

W. SANDLIN.

Cotton-Scrapers.

No. 155,893. Patented Oct. 13, 1874.



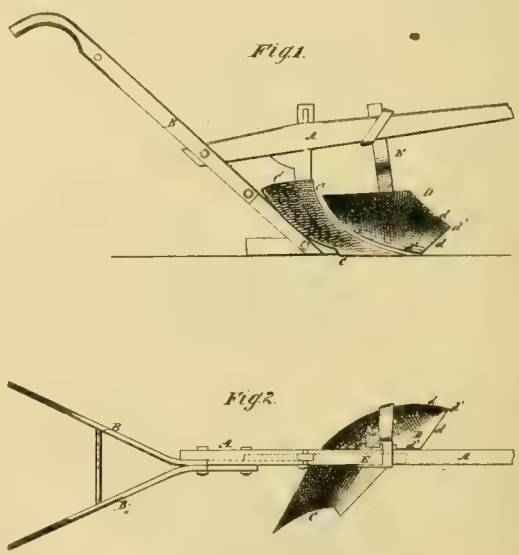
WITNESSES:
Thomas H. Hecht
L. Stuyvesant

INVENTOR:
W. Sandlin
BY
ATTORNEYS.

G. W. BEARD.

Cotton-Scrapers.

No. 158,457. Patented Jan. 5, 1875.

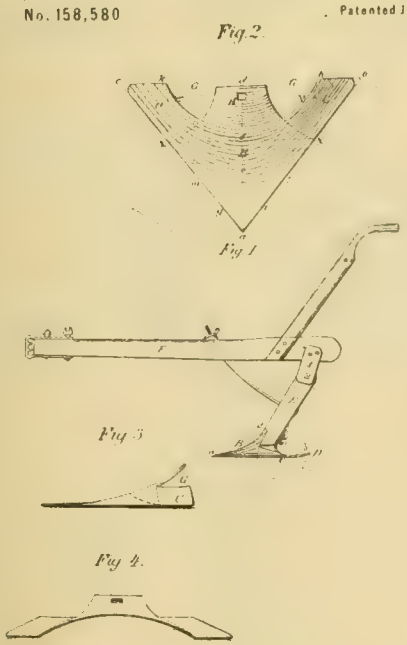


WITNESSES:
G. Matthys
Geo. C. Lemon

INVENTOR:
Geo. W. Beard
BY
ATTORNEYS.

A. B. FARQUHAR.
Plows.

No. 158,580 Patented Jan. 12, 1875.



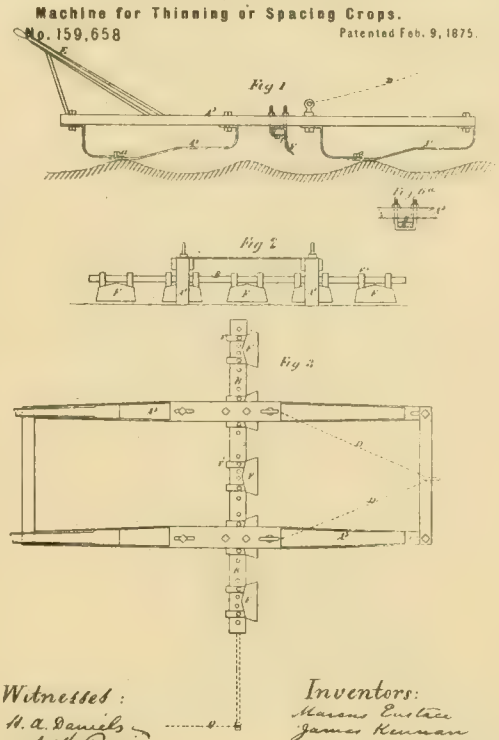
Witness:
J. Mason Gaskill
Robt J. Williams

Inventor:
Arthur B. Farquhar
per Rob't & A. P. Lacey

4 Sheets--Sheet 1.

M. EUSTACE, J. & T. KENNAN.
Machine for Thinning or Spacing Crops.

No. 159,658 Patented Feb. 9, 1875.



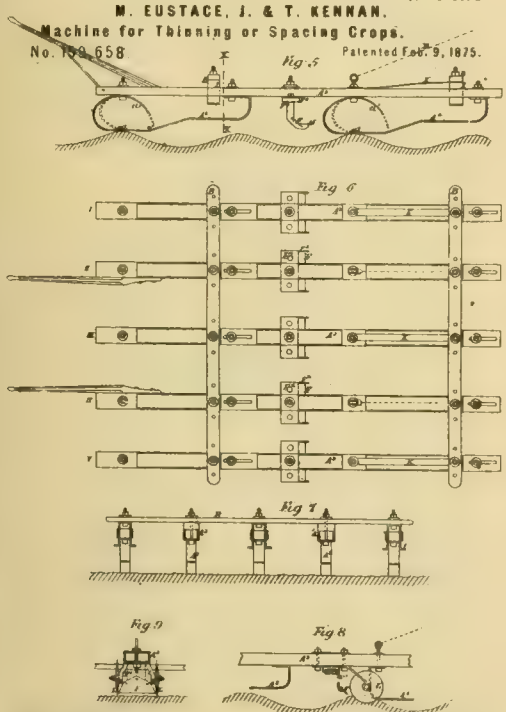
Witnesses:
H. A. Daniels
A. W. Parris

Inventors:
Marcus Eustace
James Kennan
Thos Kennan by
C. A. Whitman atty.

4 Sheets--Sheet 2.

M. EUSTACE, J. & T. KENNAN.
Machine for Thinning or Spacing Crops.

No. 159,658 Patented Feb. 9, 1875.



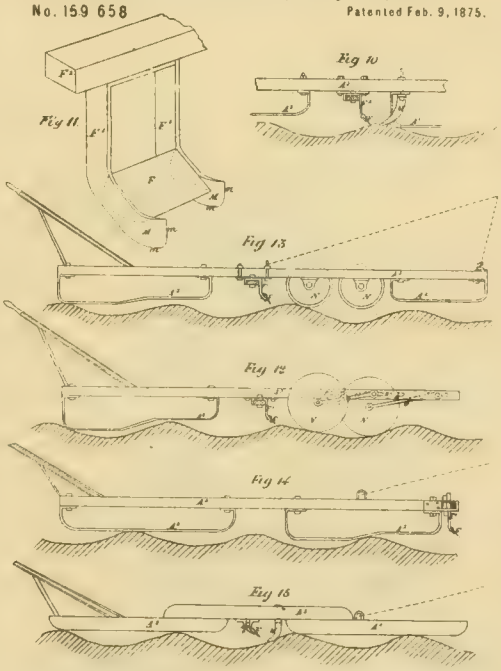
Witnesses:
H. A. Daniels
A. W. Parris

Inventors:
Marcus Eustace
James Kennan
Thos Kennan by
C. A. Whitman atty

4 Sheets--Sheet 3.

M. EUSTACE, J. & T. KENNAN.
Machine for Thinning or Spacing Crops.

No. 159 658 Patented Feb. 9, 1875.



Witnesses:
H. A. Daniels
A. W. Parris

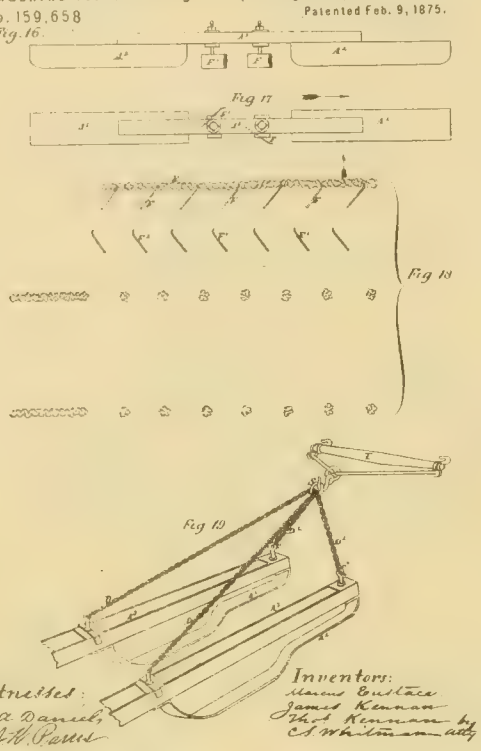
Inventors:
Marcus Eustace
James Kennan
Thos Kennan by
C. A. Whitman atty

4 Sheets--Sheet 4

M. EUSTACE, J. & T. KENNAN.

Machine for Thinning or Spacing Crops.

No. 159,658 Patented Feb. 9, 1875.



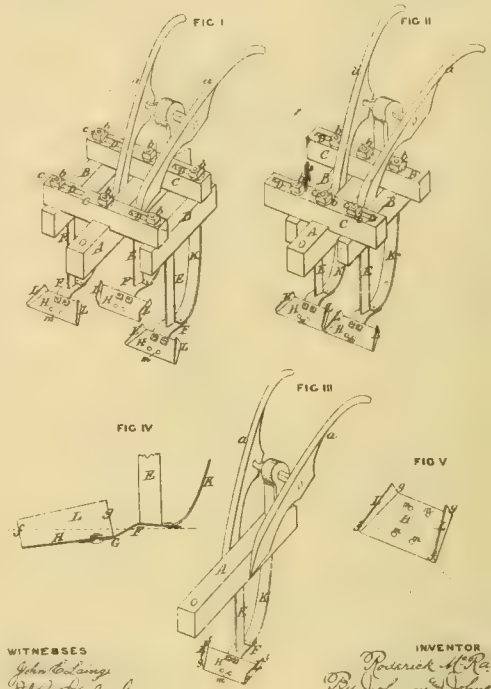
Witnesses: H. A. Daniels, A. H. Parris

Inventors: Manus Eustace, James Kennan, Thos Kennan by C. S. Whitman atty

R. McRAE.

Combined Cotton Chopper and Scraper.

No 161,256 Patented March 23, 1875.



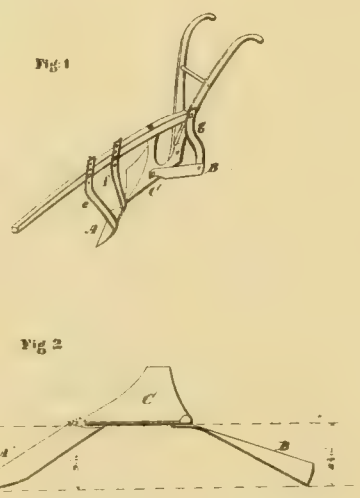
WITNESSES: John C. Lamp, J. H. Rutherford

INVENTOR: Roderick McRae, By Johnson & Johnson his Attys

T. J. LEE.

CULTIVATOR.

No. 170,632. Patented Nov. 30, 1875.



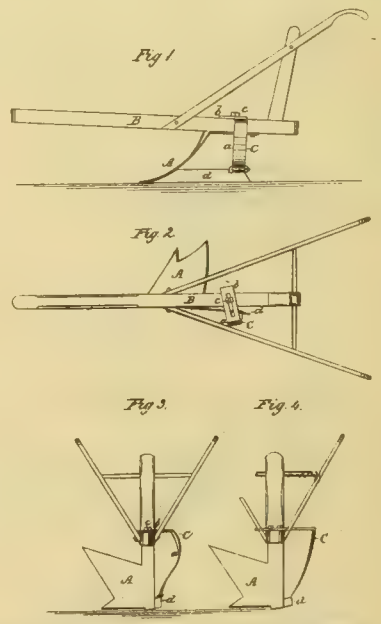
WITNESSES: Wm. H. James, Wm. E. Freeman

INVENTOR: Thos. J. Lee

I. F. HARRISON.

CORN AND COTTON CUTTER AND SCRAPER.

No. 178,769. Patented June 13, 1876.



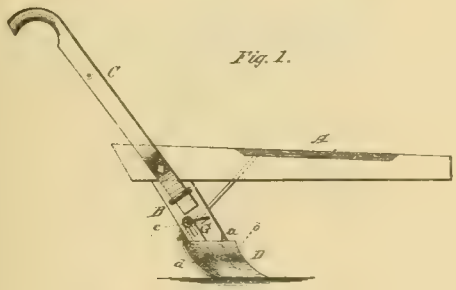
WITNESSES: Chas. A. Pettit, Geo. Cherrion

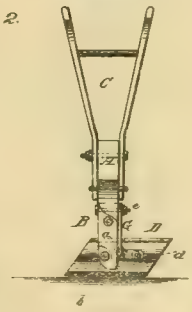
INVENTOR: Isaac F. Harrison, BY Munn & Co. ATTORNEYS.

L. C. GILLASPIE, Sr.

COTTON-SCRAPER.

No. 182,915. Patented Oct. 3, 1876.





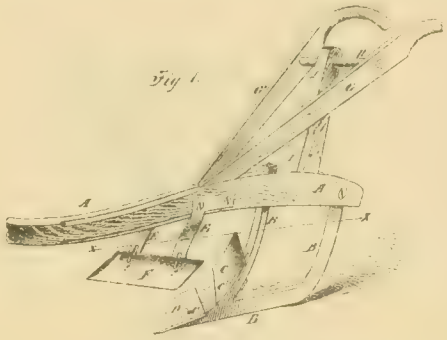
WITNESSES:
P. C. Dieterich
H. C. McArthur

INVENTOR
Lucy C. Gillaspie Sr.
Per T. H. Alexander
ATTORNEY.

J. R. NEWTON.

PLOW.

No. 183,199. Patented Oct. 10, 1876.



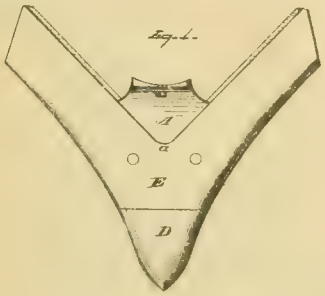
WITNESSES:
Thomas Dillard
John Goethals

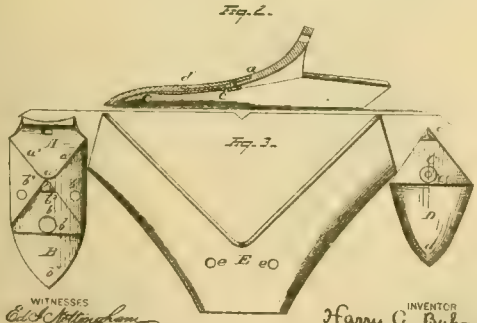
INVENTOR:
J. R. Newton
BY
Munn & Co.
ATTORNEYS.

H. C. BUHOUP.

COTTON-SWEEP.

No. 185,073. Patented Dec. 5, 1876.





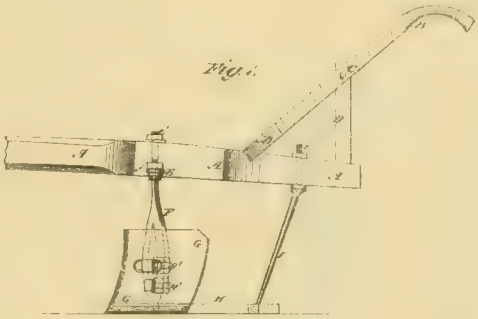
WITNESSES
Edd S. Nottingham
A. M. Bright

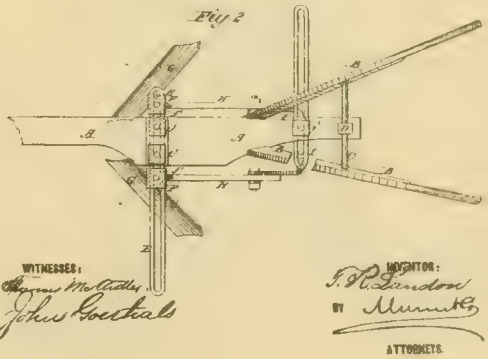
INVENTOR
Harry C. Buhoup
By Leggett & Leggett
ATTORNEYS.

T. R. LANDON.

CULTIVATOR.

No. 185,551. Patented Dec. 19, 1876.

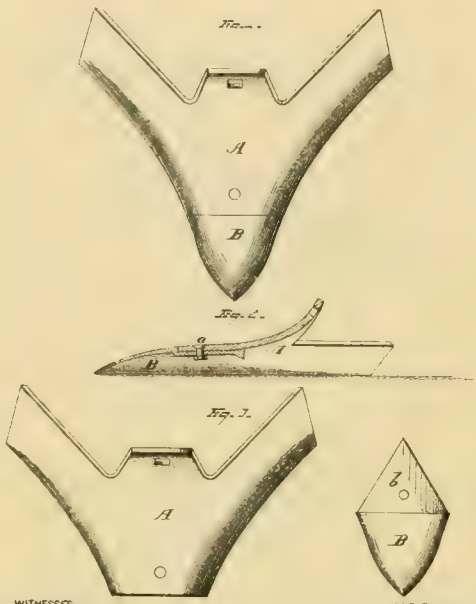




WITNESSES:
Thomas McCauley
John Goethals

INVENTOR:
T. R. Landon
BY
Munn & Co.
ATTORNEYS.

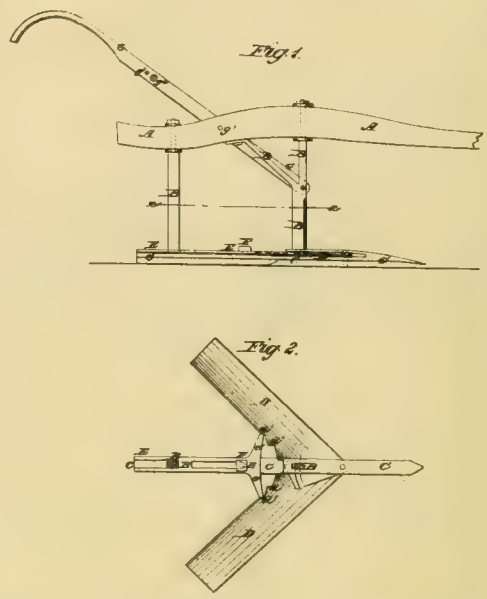
H. C. BUHOUP.
COTTON-SWEEPS.
No. 185,722. Patented Dec. 26, 1876.



WITNESSES
Ed. A. Nottingham
M. H. Bright

INVENTOR
Harry C. Buhoup
By Liggett & Liggett,
ATTORNEYS

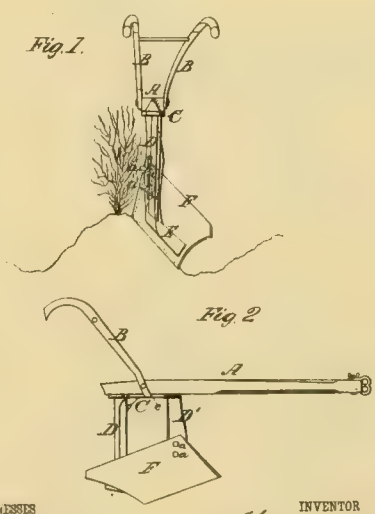
E. H. & S. D. PERKINS.
CULTIVATOR.
No. 186,611. Patented Jan. 23, 1877.



WITNESSES:
Francis McCutts.
John Goethals

INVENTOR,
S. D. Perkins
By E. H. Perkins
Munn & Co.
ATTORNEYS.

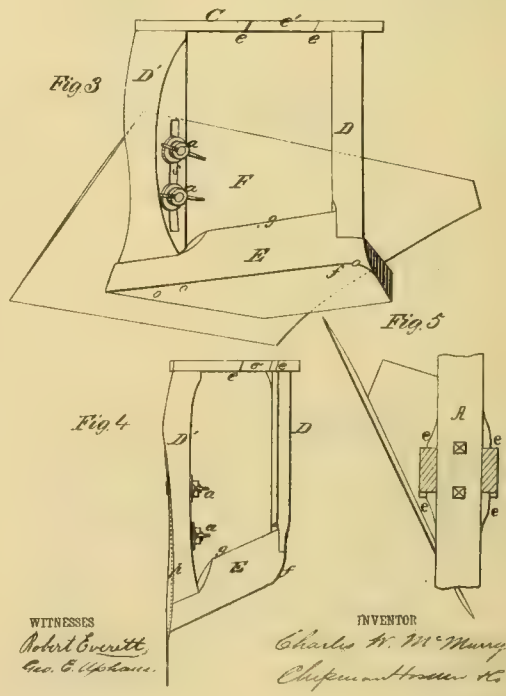
C. W. McMURRY. 2 Sheets—Sheet 1.
Cotton-Scraper.
No. 196,244. Patented Oct. 16, 1877.



WITNESSES
Robert Everitt,
Geo. E. Upham.

INVENTOR
Charles W. McMurry
Chipman Frasser & Co.
Attorneys

C. W. McMURRY. 2 Sheets—Sheet 2
Cotton-Scraper.
No. 196,244. Patented Oct. 16, 1877.

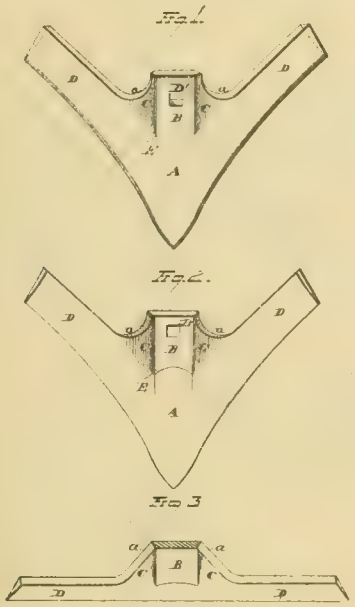


WITNESSES
Robert Everitt,
Geo. E. Upham.

INVENTOR
Charles W. McMurry
Chipman Frasser & Co.
Attorneys

W. W. SPERR.
Cotton-Sweep.

No. 199,590. Patented Jan. 22, 1878.

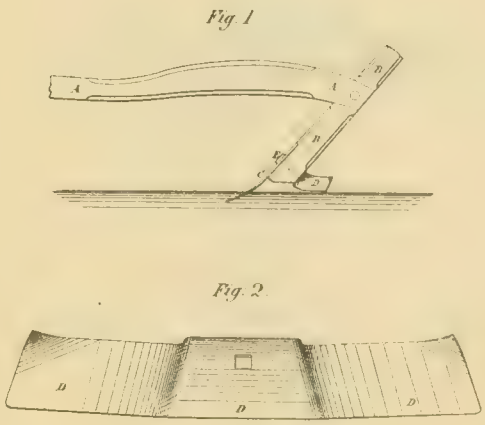


WITNESSES
E. A. S. Nottingham
A. M. Bright

INVENTOR
W. W. Sperr
By Lemuel W. Serrell
ATTORNEY

H. D. TERRELL.
Scraper Attachment for Shovel-Plow.

No. 206,505. Patented July 30, 1878.

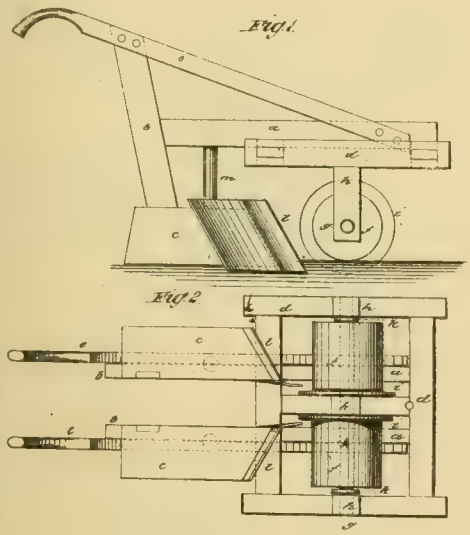


WITNESSES:
Aristides Schehl
L. Dragnice

INVENTOR:
H. D. Terrell
BY Munn & Co.
ATTORNEYS.

W. W. HARVEY.
Cotton-Cultivator.

No. 208,088. Patented Sept. 17, 1878.

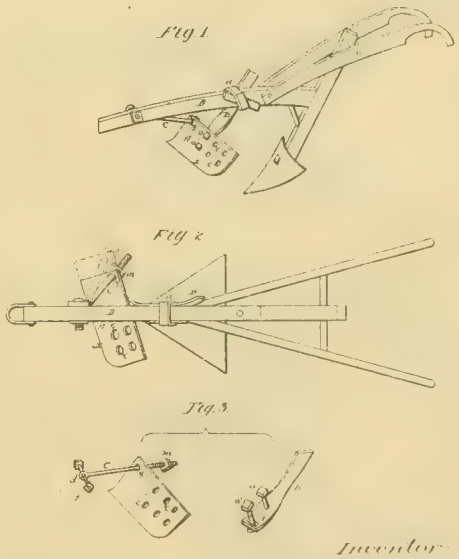


WITNESSES:
Frances McDodl.
L. Dragnice

INVENTOR:
W. W. Harvey
BY Munn & Co.
ATTORNEYS.

J. L. PUGH.
Corn and Cotton Scraper.

No. 216,059. Patented June 3, 1879.

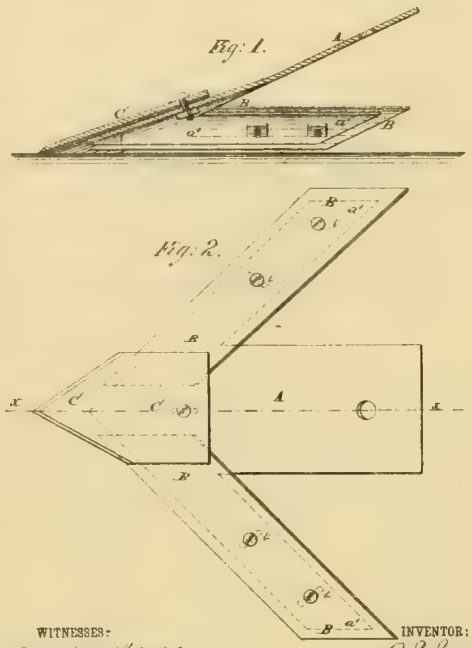


Attest
Courtney A. Coker
William Parker

Inventor
J. L. Pugh
by his Attorney
Wm. C. Parker

C. E. ESTES.
Cotton Wing-Sweep.

No. 217,597. Patented July 15, 1879.

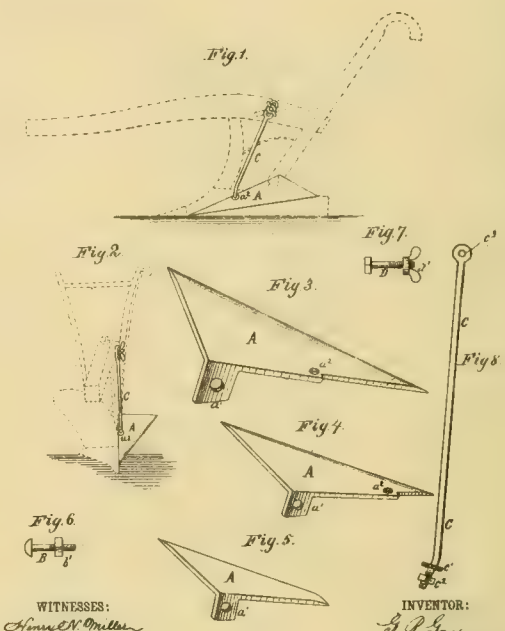


WITNESSES:
Achilles Schehl.
C. Bugnick

INVENTOR:
C. E. Estes
BY Munn & Co.
ATTORNEYS.

G. B. GAY.
Scraper and Sweep Attachment for Plows.

No. 219,456. Patented Sept. 9, 1879.

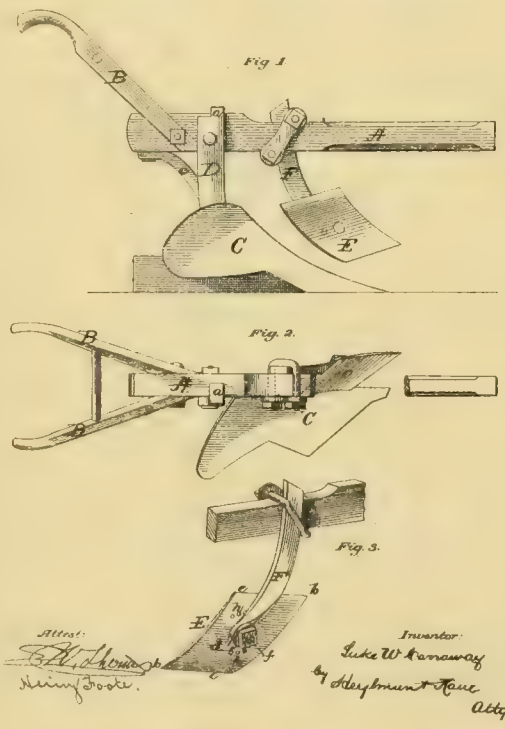


WITNESSES:
Henry N. Miller
C. Bugnick

INVENTOR:
G. P. Gay
BY Munn & Co.
ATTORNEYS.

L. W. CARRAWAY.
Cotton-Scraper.

No. 220,700. Patented Oct. 21, 1879.

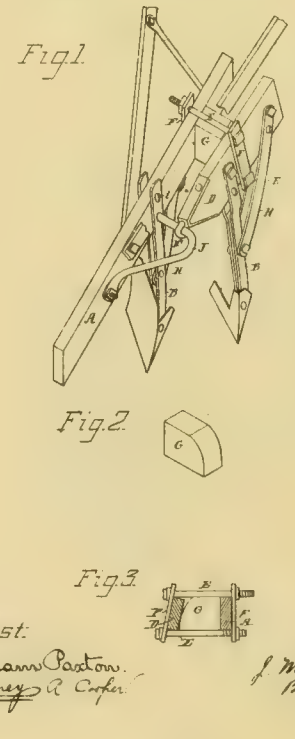


Attest:
Wm. Booke.

Inventor:
Luke W. Carraway
by Stephenson & Kane
Attys

J. M. RICHARDS.
Cotton-Scraper.

No. 222,367. Patented Dec. 9, 1879.

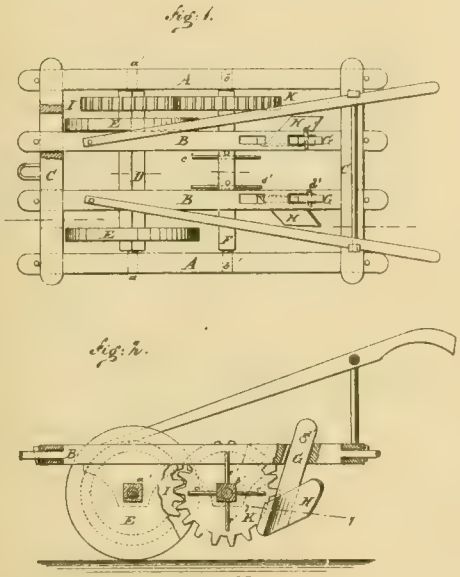


Attest:
William Paxton.
Courtney R. Cooper.

Inventor:
J. M. Richards
By his attorney
Charles E. Foster

R. W. SPENCER.
Cotton-Cultivator.

No. 222,541. Patented Dec. 9, 1879.

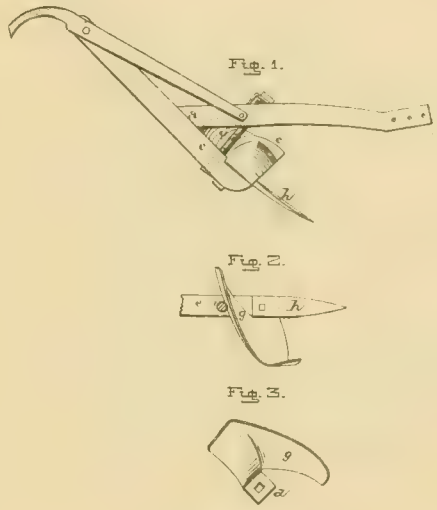


WITNESSES:
Chas. Nida
L. Sugnier

INVENTOR:
R. W. Spencer
BY Munn & Co
ATTORNEYS.

A. R. HILL.
Cotton-Scraper.

No. 222,905. Patented Dec. 23, 1879.

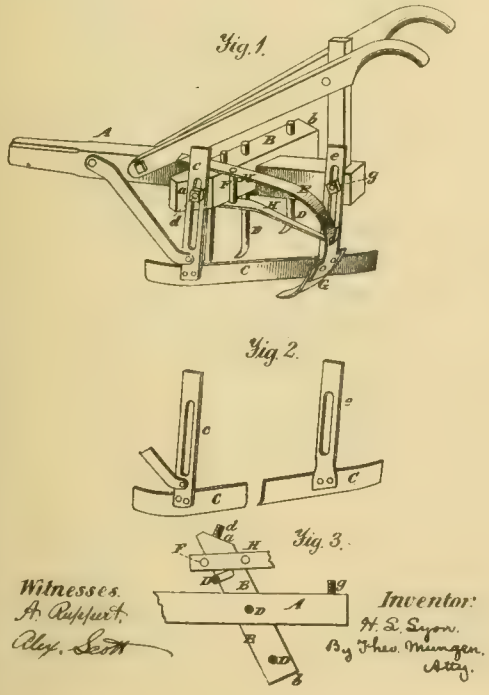


Witnesses:
J. W. Garner
W. H. Mortimer

Inventor:
A. R. Hill
per
F. A. Lehmann,
Atty.

H. L. LYON.
Cotton-Scraper.

No. 227,802. Patented May 18, 1880



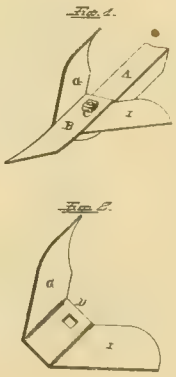
Witnesses.
A. Reppert.
Alex. Scott

Inventor:
H. L. Lyon.
By Theo. Munzen.
Atty.

(no Model.)

R. A. JOHNSON.
Cotton Cultivator.

No. 229,318. Patented June 29, 1880



Witnesses:
W. W. Mortimer
W. H. Kurn

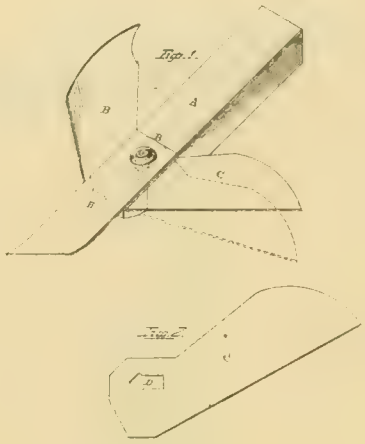
Inventor.
R. A. Johnson
per
F. A. Lehmann,
Atty.

(No Model.)

R. A. JOHNSON.

Cultivator and Scraper.

No. 232,133. Patented Sept. 14, 1880.



Witnesses: W. H. Holmes, Chas. H. Johnson.

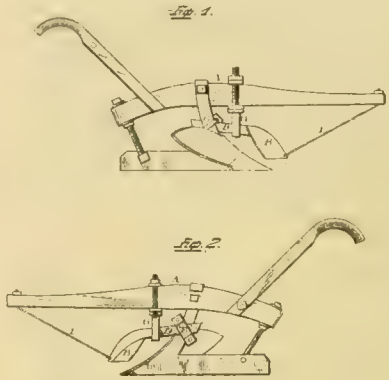
Inventor: R. A. Johnson, per F. A. Lehmann, Atty.

(No Model.)

R. H. WINGATE.

SCRAPER ATTACHMENT TO PLOWS.

No. 247,977. Patented Oct. 4, 1881.



Witnesses: W. H. Moffitt, A. D. Eskridge.

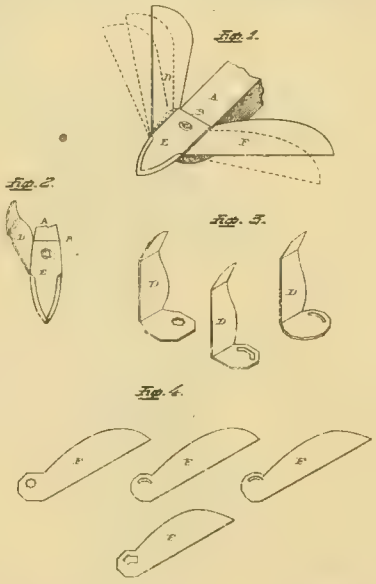
Inventor: R. H. Wingate, per F. A. Lehmann, Atty.

(No Model.)

R. A. JOHNSON.

CULTIVATOR.

No. 248,471. Patented Oct. 18, 1881.



Witnesses: W. H. Moffitt, A. D. Eskridge.

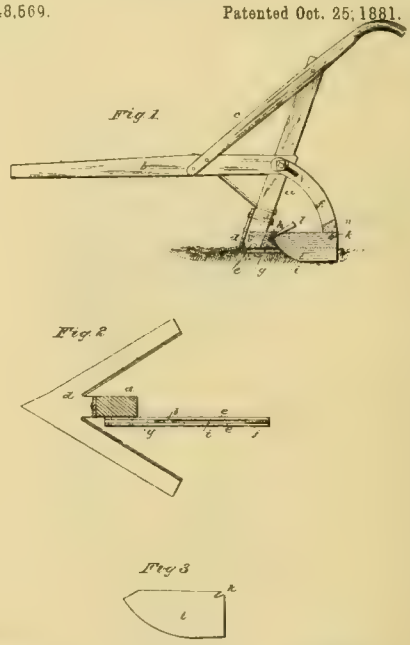
Inventor: Richard A. Johnson, per F. A. Lehmann, Atty.

(No Model.)

J. BRANTLY.

COTTON SWEEP.

No. 248,569. Patented Oct. 25, 1881.



WITNESSES: Fred. G. Dietrich, Geo. D. Kemon.

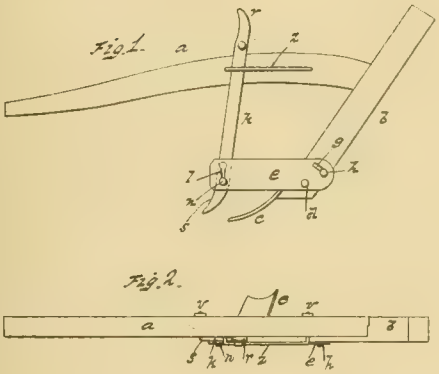
INVENTOR: John Brantly, BY [illegible], ATTORNEYS.

(No Model.)

H. P. MEGGS.

COTTON SCRAPER.

No. 248,774. Patented Oct. 25, 1881.



WITNESSES
E. K. Potter
Philip Lehmann

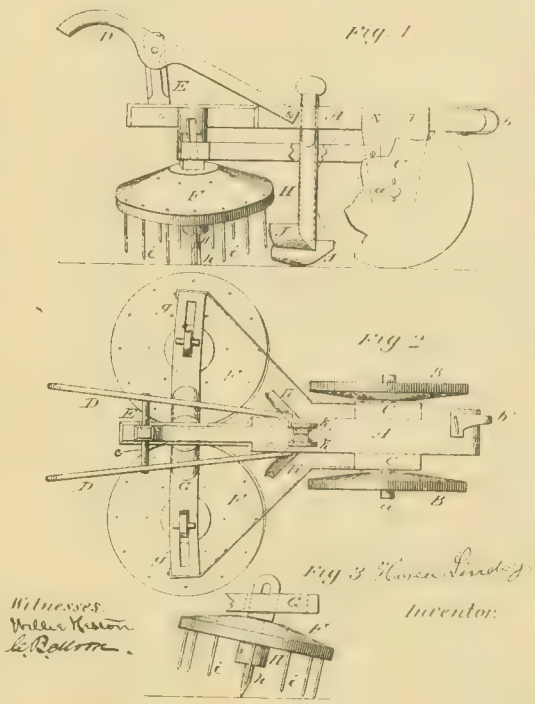
INVENTOR
H. P. Meggs,
by Anderson & Smith
his ATTORNEYS

(Model.)

H. LINDSEY.

CORN AND COTTON CULTIVATOR.

No. 251,784. Patented Jan. 3, 1882.



Witnesses.
Walter Keson
L. Bottom

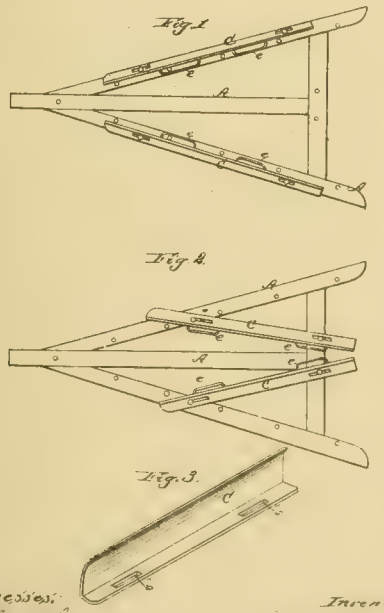
Inventor:

(No Model.)

J. L. FARNSWORTH.

COTTON SCRAPER.

No. 254,629. Patented Mar. 7, 1882.



Witnesses:
H. C. McArthur
W. R. Kenyon Jr.

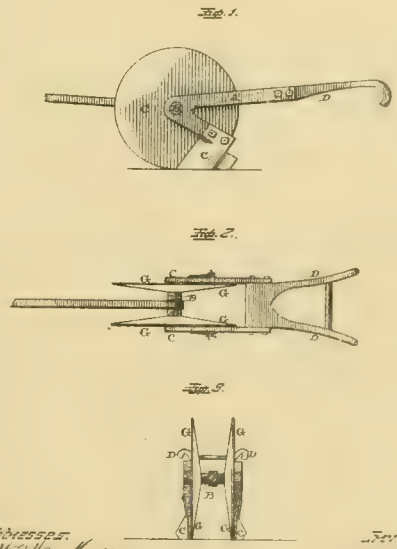
Inventor
J. L. Farnsworth
per W. Alexander
Attorney

(Model.)

C. C. DAVIS & W. H. MERCER.

COTTON SCRAPER.

No. 257,666. Patented May 9, 1882.



Witnesses:
W. H. Mortimer
W. A. Kent

Inventors
C. C. Davis
W. H. Mercer
per
F. C. Pelham
Atty.

(No Model.)

D. HARDY.

COMBINED SCRAPER AND CULTIVATOR.

No. 262,408. Patented Aug. 8, 1882.

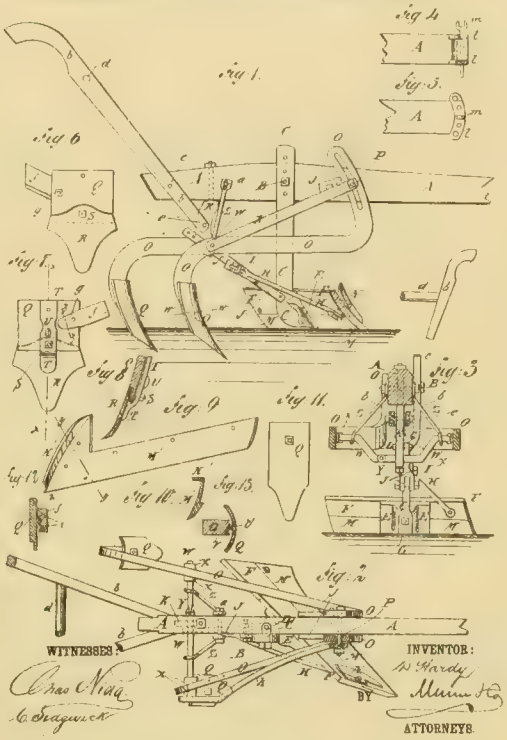
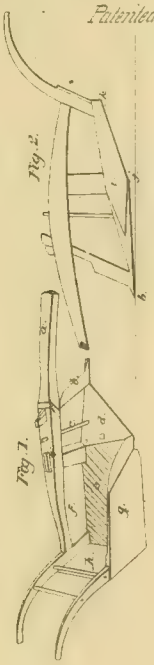


	Plate	Claim
Aiken, H.	301	185
Anderson, J. S. and Cooley, J. B.	315	190
Austin, M. J.	325	194
Baker, I. T.	321	192
Ballard, A. S.	307	187
Ballard, J. and Magee, T. J.	310	188
Ballard, P.	313	189
Barrowman, M.	306	186
Bartholomew, C.	315	190
Bartlett, C. K.	302	185
Bartlett, C. K.	302	185
Bartlett, E. S.	306	186
Brooks, J.	307	187
Burhyte, T. J.	309	187
Burtless, M. E.	315	190
Bussey, W. C.	304	185
Caldwell, S. N.	318	191
Clark, W. R.	311	188
Clark, G.	320	192
Clark, J. A.	323	193
Claton, T.	301	185
Cleveland, H.	302	185
Cline, W. Jr.	316	190
Commings, R.	303	185
Davies, J. and Skinner, C. C.	324	193
Davies, O. T.	327	195
Delfer, F. L.	324	193
Delfer, F. L.	325	194
Downman, R. W.	311	188
Edwards, C. D.	329	196
Edwards, C. D.	329	196
Farr, C. K.	305	186
Fisher, L. W.	323	193
Fleischmann, C. L.	310	188
Forbis, E.	307	186
Foreman, E. L.	313	189
Foreman, E. L.	314	190
Foreman, E. L.	315	190
Forsyth, R. G.	318	191
Furnas, S.	327	195
Gavett, H. L. F.	304	186
Hale, O. F.	322	192
Harmon, D.	317	191
Harned, A. L.	325	194
Haskins, A.	331	197
Herbert, J.	302	185
Hill, H. W.	327	195
Hill, F. A. and Church, M. J.	332	197
House, J. L.	332	197
House, J. L.	333	197
Humphreys, J. W.	326	194
Humphreys, J. W.	328	195
Hutchinson, T.	308	187
Hyde, W. B.	324	193
Karsner, I.	328	196
Kelly, J. and Hennis, W. H.	322	192
Kidder, N.	308	187
Kirkpatrick, G. O. and A.	333	198
Lugenbell, P. and Armstrong, J. S.	309	188
McAlister, J. W. and Poffenberger, J. C.	322	192
McClurkin, J. C.	330	196
Martin, E. C.	307	187
Martin, J. H. and Bradshaw, C. D.	319	191
Maxwell, D. N.	326	194
Miller, J. T.	310	188
Morrill, J. W.	305	186
Nichols, W. A.	312	189
O'Connor, P. and Collins, M.	313	189
Owen, E.	303	185
Peet, W. R.	326	194
Perkins, W. M.	309	188
Peterson, A.	326	194
Pierce, W.	317	190
Pirch, A.	327	194
Potter, S. T. W.	308	187
Primmer, R. M.	321	192
Railey, J. A.	330	196
Richards, H. G.	323	193
Rickard, L.	314	189
Roberts, J. W.	320	192
Routt, A. P.	305	186
Salvesen, V.	331	197
Sheets, I. S.	314	190
Sheets, I. S.	318	191
Sisson, J. G. and Delana, L.	316	190
Smawley, H. B.	310	188
Smith, J. N. and Buckly, W. O.	313	189
Sommers, H. B.	304	186
Stacy, W.	318	191
Stacy, W.	329	196
Stacy, W.	329	196
Stafford, D. F.	303	185
Standart, S. W.	312	189
Stephens, A. J.	319	191
Stuart, I. W. and Allen, J. G.	328	195
Thrailkill, S.	304	186
Tichenor, W. B.	324	193
Tiffany, J. C.	305	186
Tobias, B.	308	187
Travis, D. W.	323	193
Vannatta, H.	320	192
Vinnedge, J. R.	331	197
West, C. O., Smith, J. R., Carey, J., Janney, G., Hunt, R., Hockett, A., West, D. and E., and Garner, J.	306	186
West, W.	314	190
Weston, J. W. and M. H.	316	190
Whisler, D.	311	188
" " (R.)	311	188
Whitesell, D.	321	192
Wiggin, G. W.	309	187
Wiley, A.	328	195
Williams, H. D.	322	192
Wilson, J. L. and Haworth, J. R.	312	189
Winter, H. A.	320	192
Wise, W.	306	186
Wood, S. S.	319	191
Woodruff, C. F.	317	190
Worth, E. and Davis, C. A.	312	189
Zoberlein, J.	321	192

T. Clayton.

Ditching Plow.

No. 500. Patented Dec. 1, 1837.

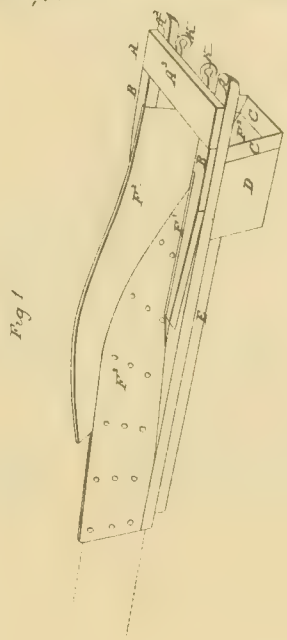


3. Sheets. Sheet. 1.

H. Aiken,

Ditching Plow.

No. 2,440. Patented Feb. 1. 1842.

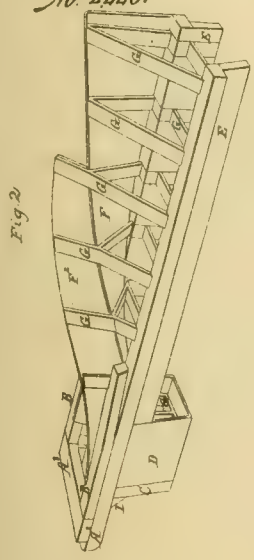


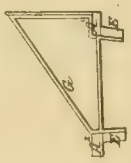
3. Sheets. Sheet. 2.

H. Aiken,

Ditching Plow.

No. 2,440. Patented Feb. 1. 1842.

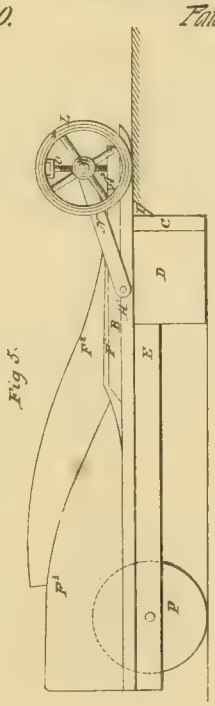




H. Aiken, 3 Sheets. Sheet. 3.

Ditching Plow.

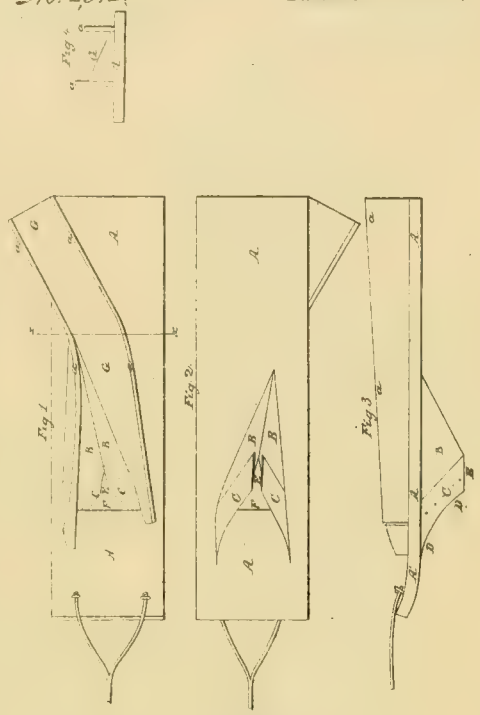
No. 2,440. Patented Feb. 1. 1842.



C. K. Bartlett,

Ditching Plow.

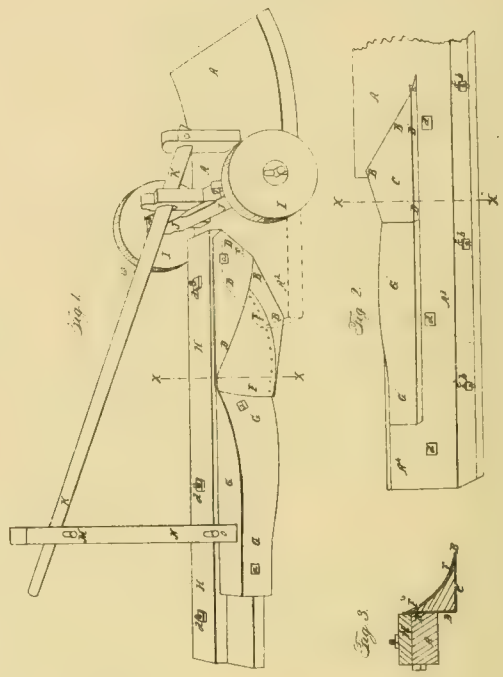
No. 2,515. Patented Mar. 23. 1842.



C. K. BARTLETT

Ditching-Plow.

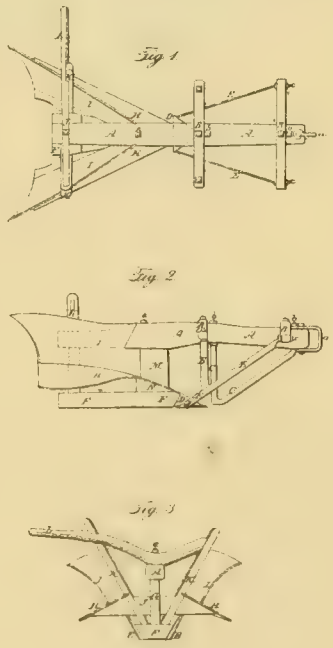
No 2,515 Patented Mar. 28, 1842.



H. CLEVELAND.

Ditching Plow.

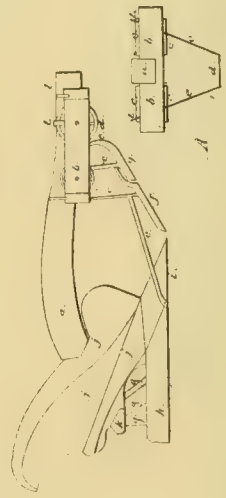
No 2,597 Patented Dec. 31, 1842.



J. Herbert,

Plow.

No. 538. Patented Apr. 13. 1844.

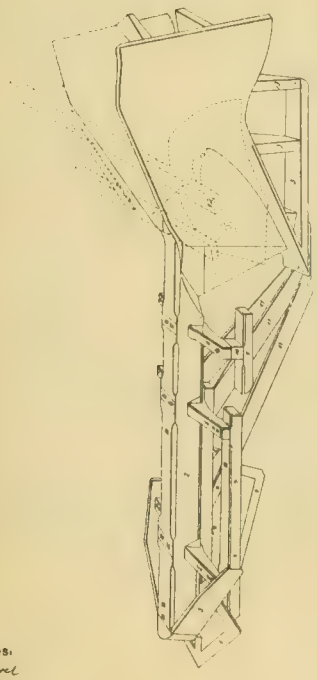


2 Sheets—Sheet 1

E. OWEN.

Ditching Plow.

No. 3,757. Patented Sept. 24, 1844



Witnesses:

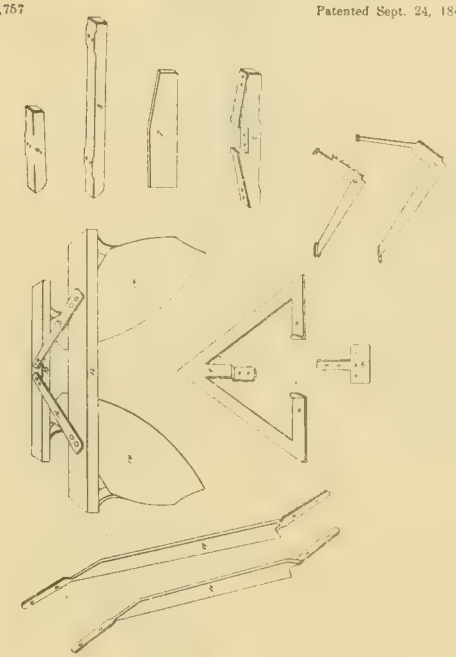
Inventor.

2 Sheets—Sheet 2

E. OWEN.

Ditching Plow.

No. 3,757 Patented Sept. 24, 1844



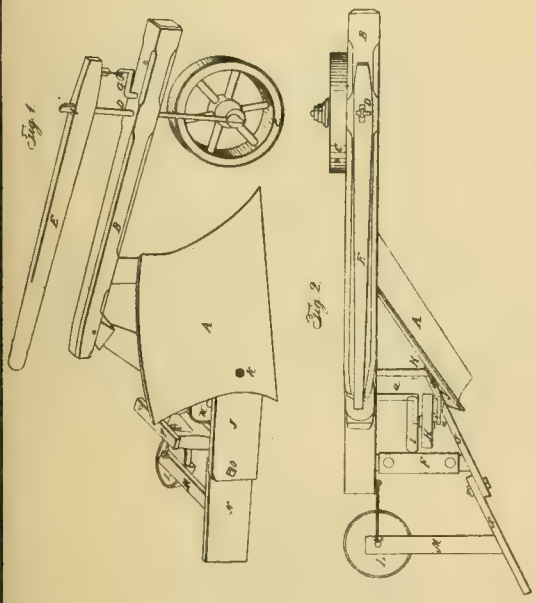
Witnesses:

Inventor.

D. S. STAFFORD.

Ditching-Plow.

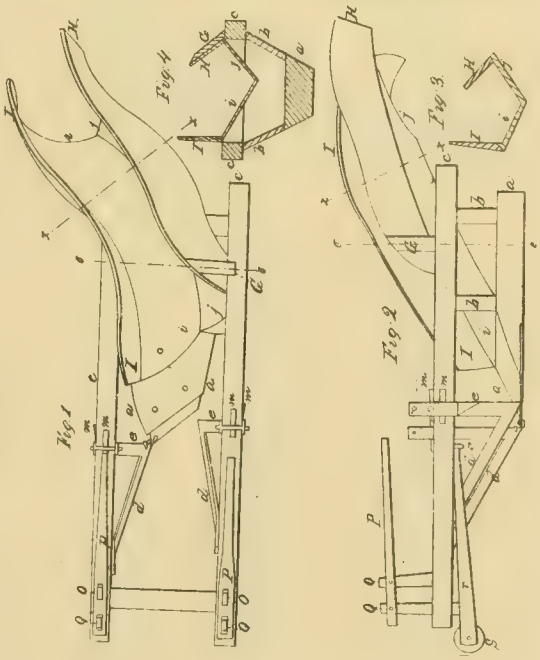
No. 4,107. Patented July 10, 1845.



R. Cummings,

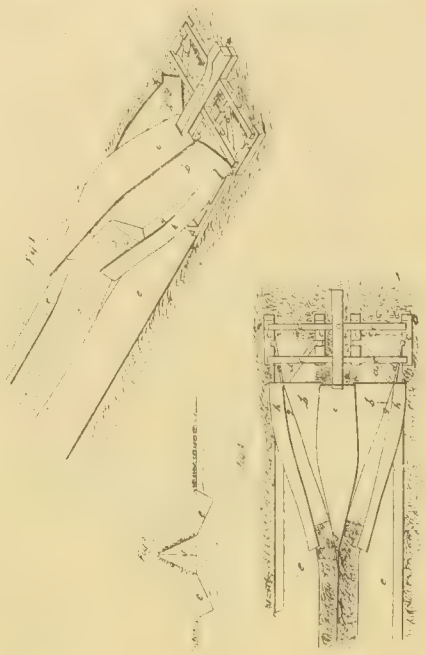
Excavator.

No. 4,113. Patented July 14, 1845.



W. C. Bussey.

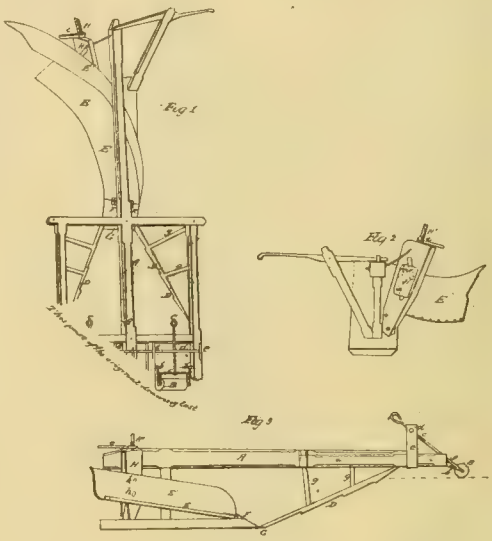
Patented Sept. 5, 1846.



S. Thraikill.

Ditching Plow.

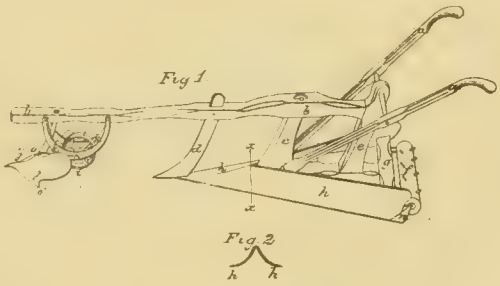
No. 4,751. Patented Sept. 10, 1846.



H. B. Sommers.

Ditching Plow.

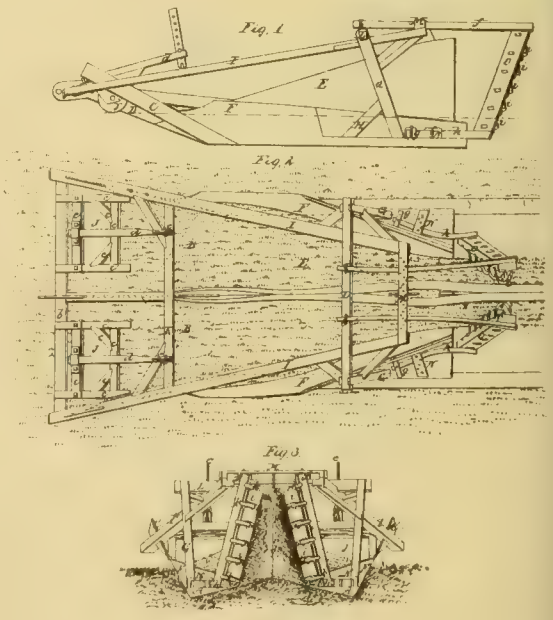
No. 6,148. Patented Jun. 6, 1847.



H. L. F. Clavett.

Excavator.

No. 8,341. Patented Sept. 9, 1851.



J. W. Morrill.

Ditching Plow.

No. 9,709. Patented May 10, 1853.

Fig. 1

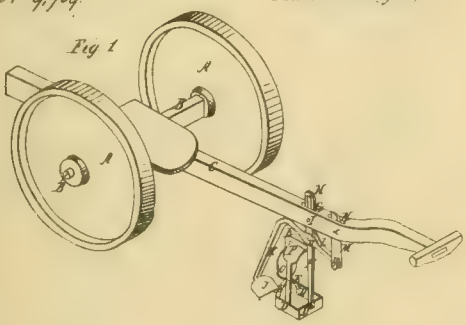
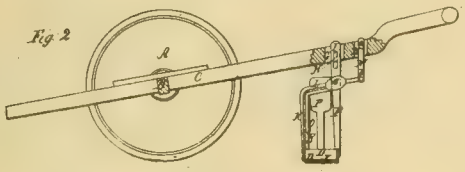


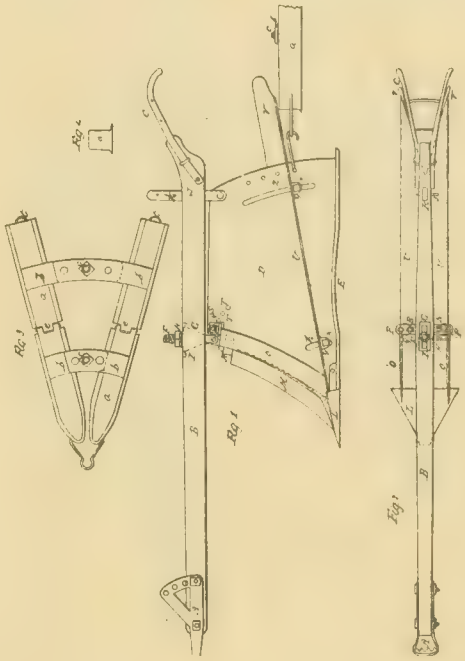
Fig. 2



J. C. Tiffany.

Ditching Plow.

No. 10,815. Patented Sept. 26, 1854.



C. H. Farr.

Ditching Plow.

No. 10,886. Patented May 9, 1854.

Fig. 1

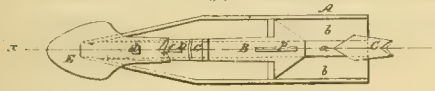


Fig. 2.

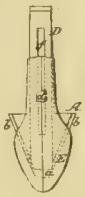
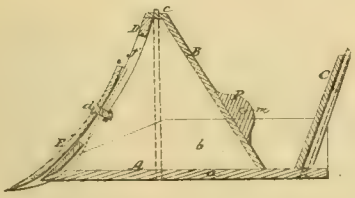


Fig. 3

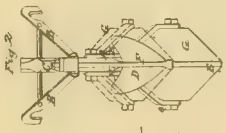


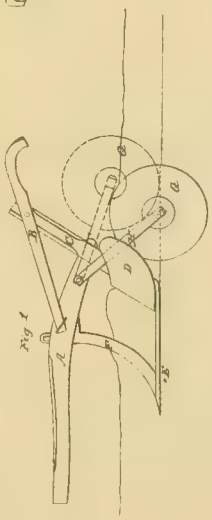
A. P. Ricott.

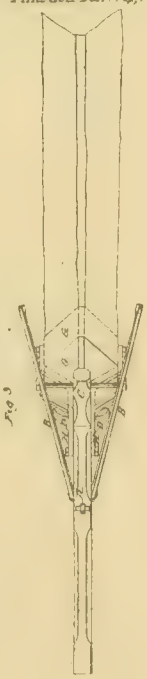
Ditching Plow. Patented Dec. 14, 1857.

No. 17,809.

Fig. 2



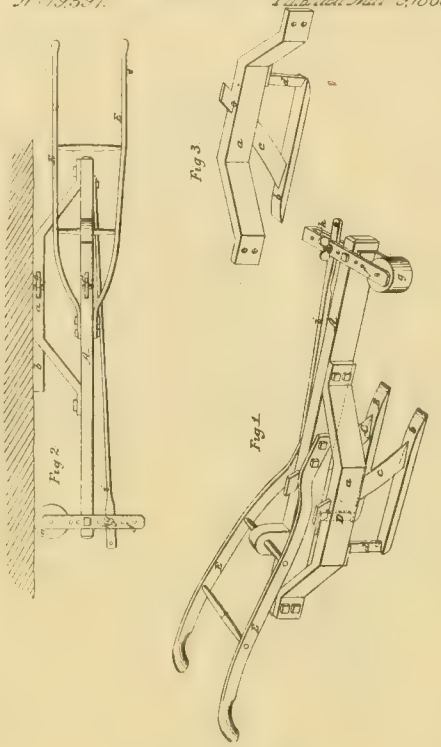




W. Wise.

Ditching Plow

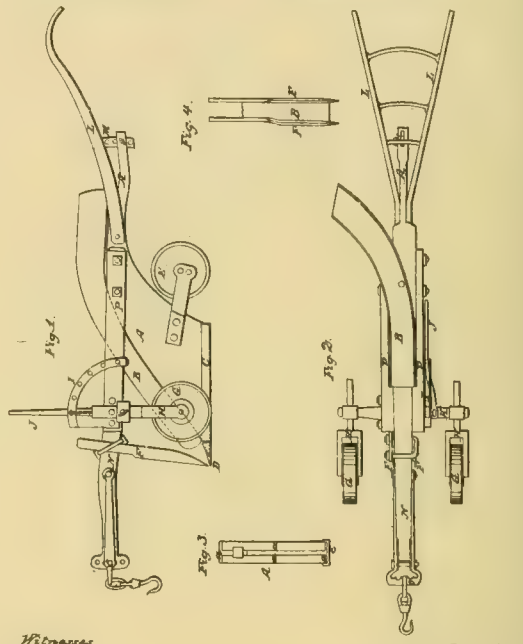
No. 19,597. Patented Mar. 9, 1868.



M. Barrowman.

Ditching Plow.

No. 20,689. Patented Jun. 29, 1868.



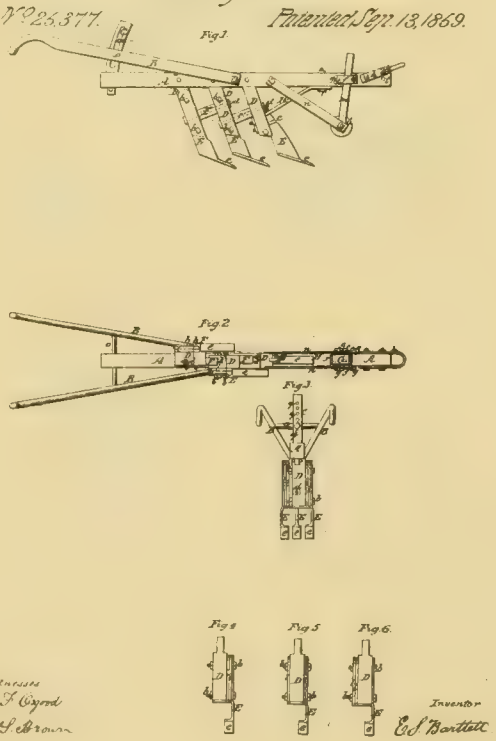
Witnesses
W. B. Forbes
E. L. Baldwin

Inventor
Moses Barrowman

E. S. Bartlett.

Ditching Plow

No. 25,377. Patented Sep. 13, 1859.



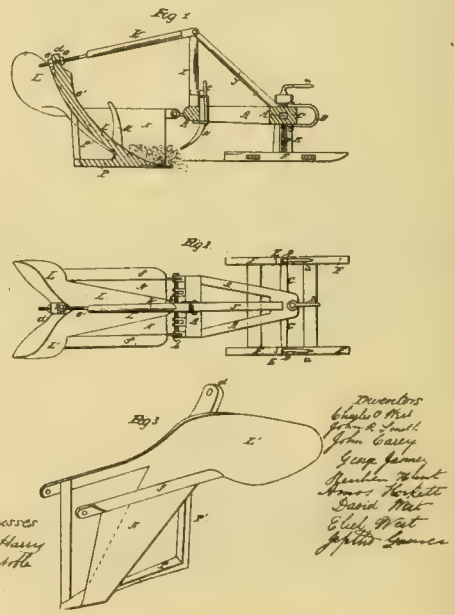
Witnesses
R. F. Cogswell
J. S. Brown

Inventor
E. S. Bartlett

C. O. West, J. R. Smith, J. Carey, G. Janney,
R. Hunt, A. Hockett, D. & E. West, & J. Garner.

Ditching Plow.

No. 28,320. Patented May 15, 1860.



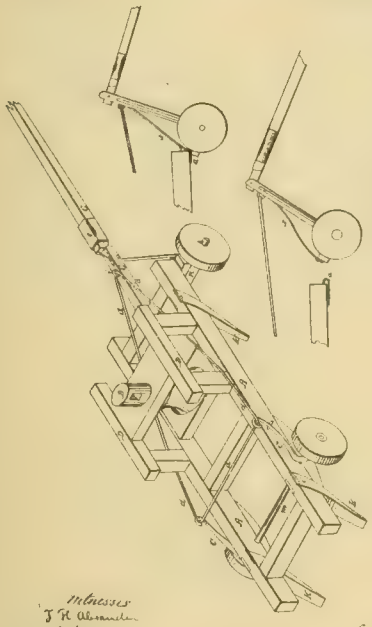
Witnesses
Geo. C. Harry
H. B. Mills

Inventors
Charles O. West
John R. Smith
John Carey
George Janney
Reuben Hunt
Amos Hockett
David West
Eliab West
Jephthah Garner

E. Forbes.

Ditching Plow.

No. 29,258. Patented Jul. 24, 1860.



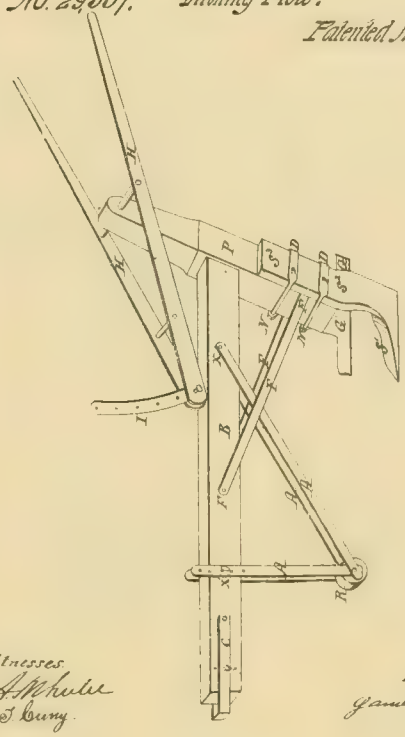
Witnesses
J. H. Alexander
C. M. Alexander

Inventor
Elias Forbes

J. Brooks,

No. 29,357. Ditching Plow.

Patented July 31, 1860.



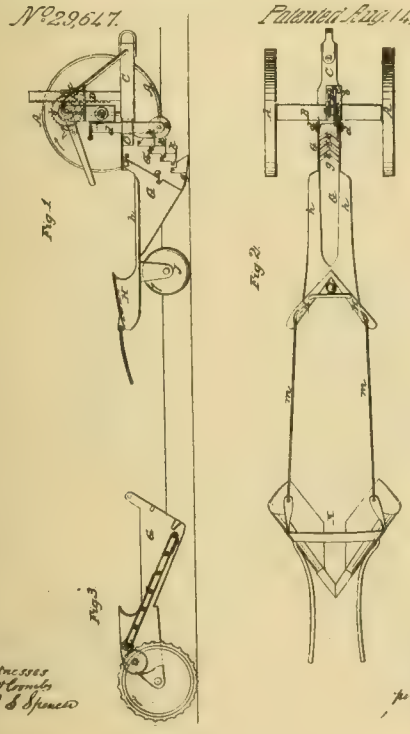
Witnesses
A. S. Whelle
W. T. Berry

Inventor
James Brooks

A. S. Ballard.

Ditching Plow.

No. 29,647. Patented Aug. 14, 1860.



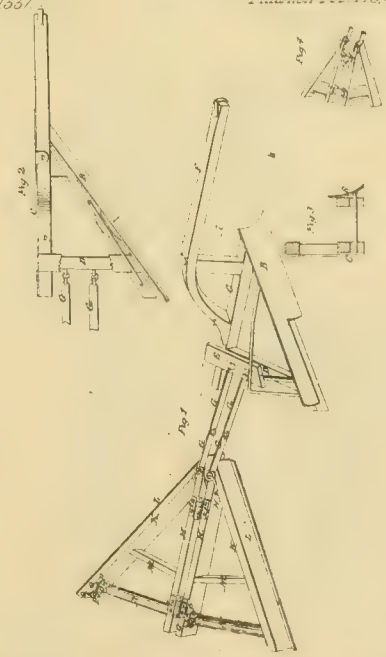
Witnesses
W. Crowder
R. S. Spencer

Inventor
A. S. Ballard
per Munn & Co
Attys.

E. C. Martin.

Ditching Plow.

No. 29,547. Patented Aug. 7, 1860.



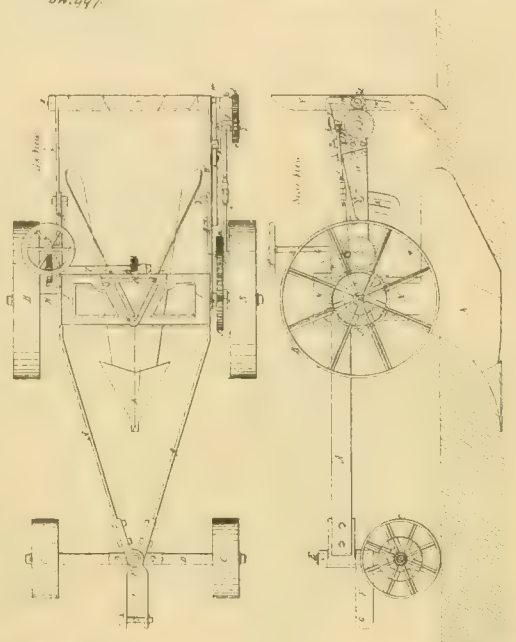
Witnesses
Goodman & Allen
R. W. Gemmell

Inventor
E. C. Martin
by Munn & Co
Attorneys

T. Hutchinson.

Ditching Plow.

No. 1,943. 32,647. Patented Aug. 6, 1861.



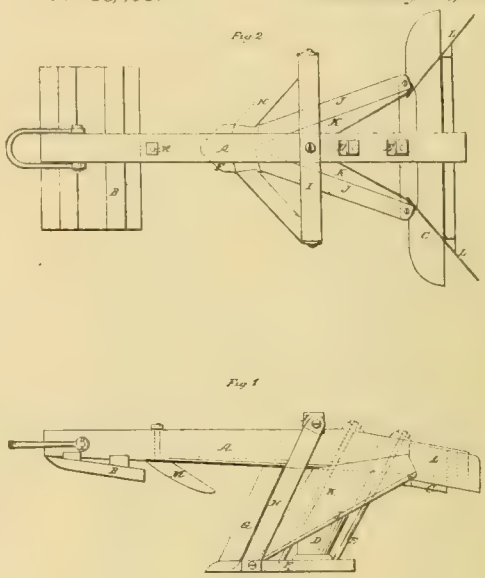
Witnesses

Inventor

R. Tobias.

Ditching Plow.

No. 36,403. Patented May 27, 1862.



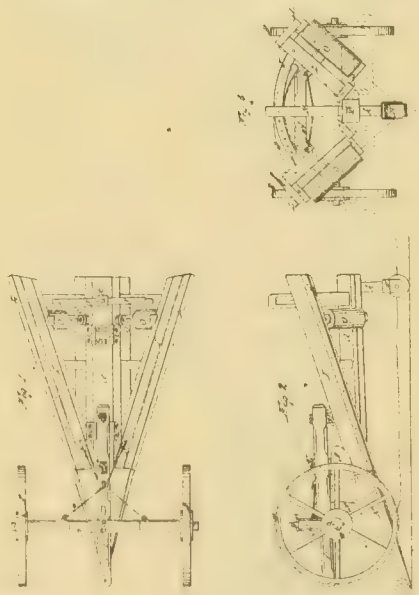
Witnesses
J. W. Crombs
G. W. Reed.

Inventor
Rlw Tobias
per Munn & Co.
Attys.

J. Mitchler.

Excavator.

No. 35,786. Patented June 24, 1862.



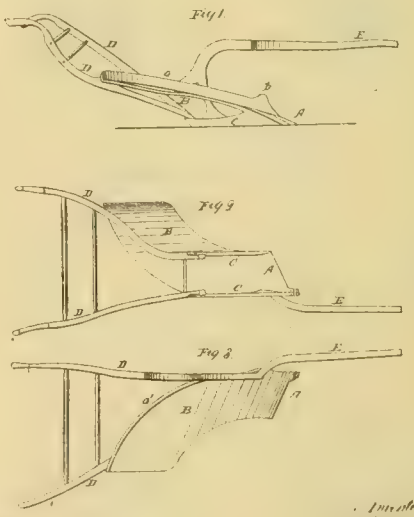
Witnesses

Inventor

S. T. W. Potter.

Ditching Plow.

No. 35,890. Patented July 15, 1862.



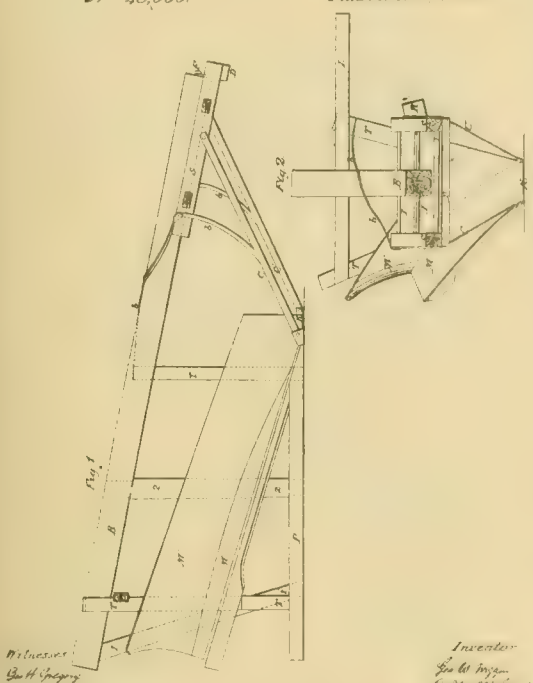
Witnesses
J. W. Crombs
G. W. Reed

Inventor
per Munn & Co.
Attys.

C. W. Wagner

Ditching Plow.

No 43,060. Patented June 7, 1864.



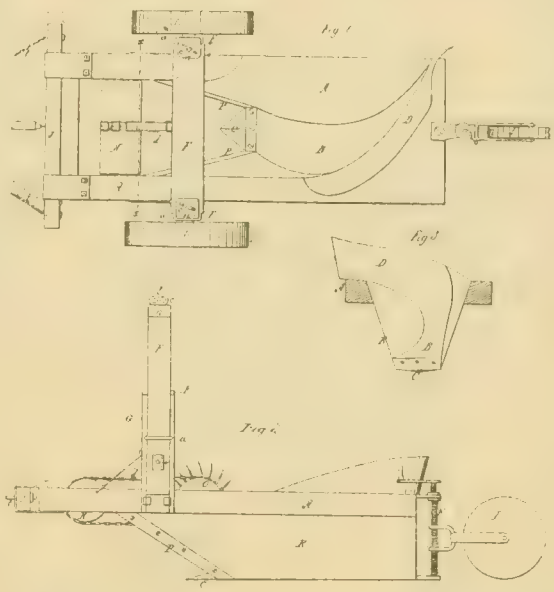
Witnesses
Geo H Gregory
Daniel Wilson

Inventor
Geo W Wagner
by Atty W W Dwight

T. I. Burtyle.

Ditching Plow.

No 51,011 Patented Nov 21, 1865.



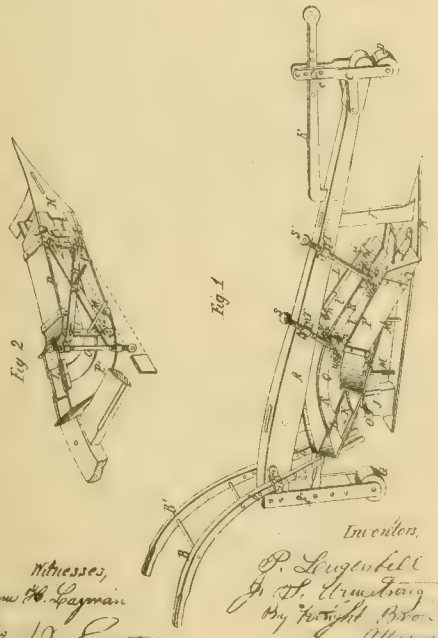
Witnesses
[illegible]
[illegible] Cameron

Inventor
Thos J. Burtyle

Lugenbell & Armstrong

Ditching Plow

No 51,061 Patented Nov 21, 1865.



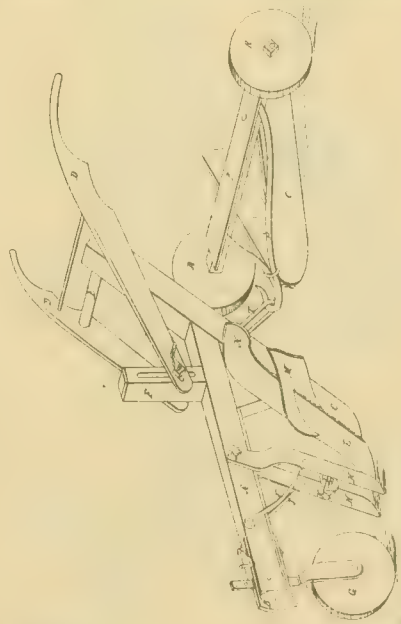
Witnesses,
Thos H. Gaymain
Wm J. Carter

Inventors,
P. Lugenbell
J. L. Armstrong
By Dwight Bro.
Attorneys

W. M. Perkins

Ditching Plow

No 51,854 Patented Jan 2, 1866.



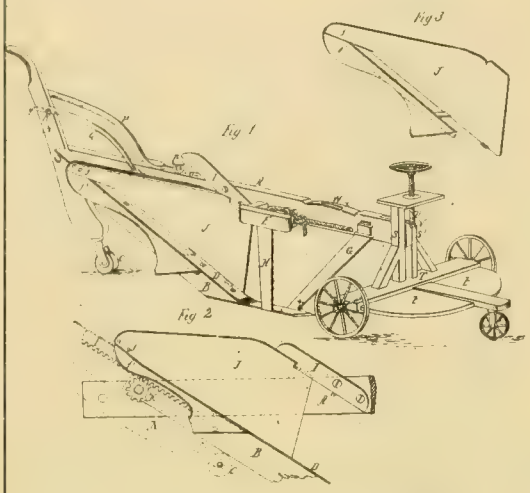
Witnesses
Chas G. Smith
Jas L. Cameron

Inventor,
Wm M. Perkins
By Cameron
Attorneys

Ballard & Magee.

Ditching Plow.

No. 57,815. Patented Sept. 4, 1866

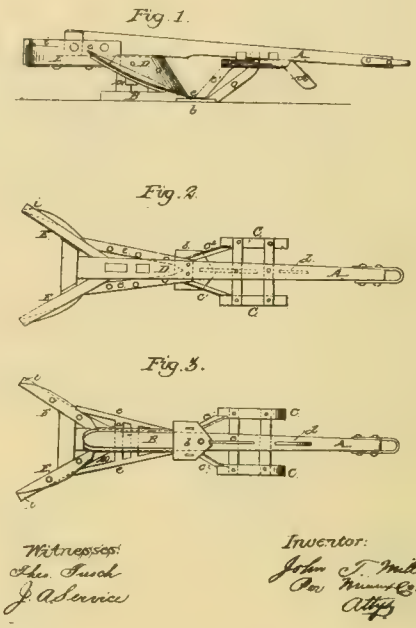


Witnesses,
Inventor,
Attys

J. T. MILLER.

Ditching Plow.

No. 62,215. Patented Feb 19, 1867.

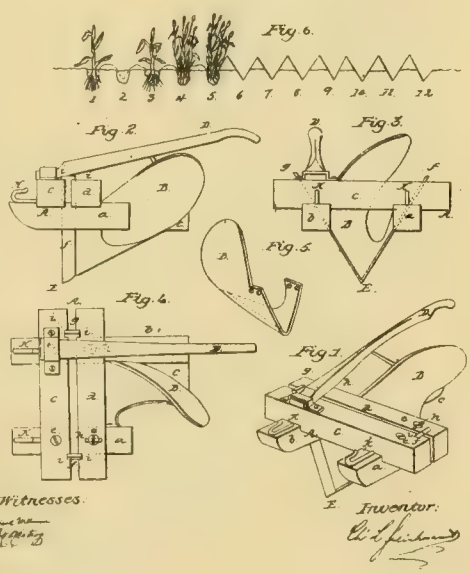


Witnesses:
Inventor:
Per
Attys

C. L. FLEISCHMANN.

Plow.

No. 62,325. Patented Feb. 26, 1867.

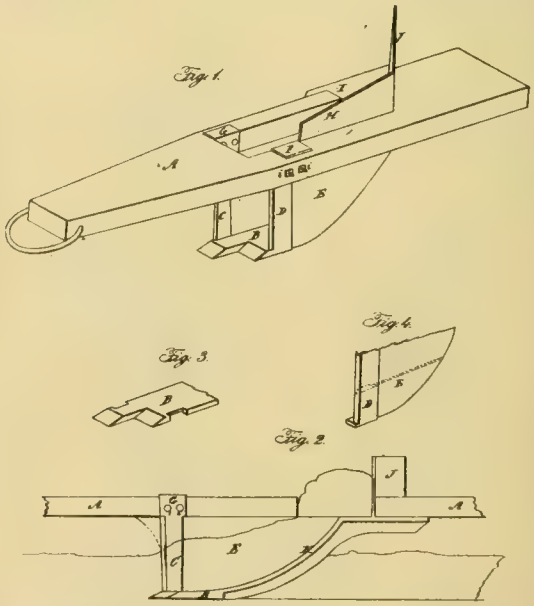


Witnesses.
Inventor:

H. B. SMAWLEY.

Ditching Plow.

No 63,952. Patented Apr. 16. 1867.

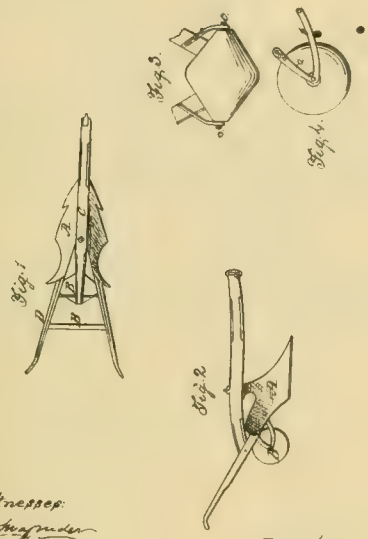


Witnesses.
Inventor.

R. W. DOWNMAN.

Mole-Plow.

No. 66,133. Patented June 25, 1867

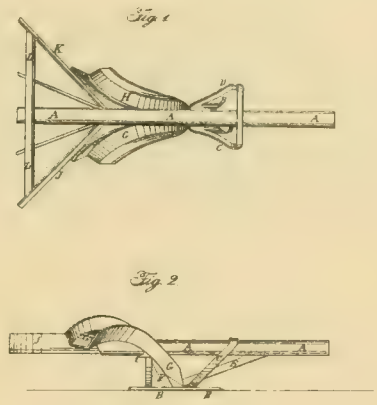


Witnesses:
Inventor:
R. W. Downman

W. R. CLARK.

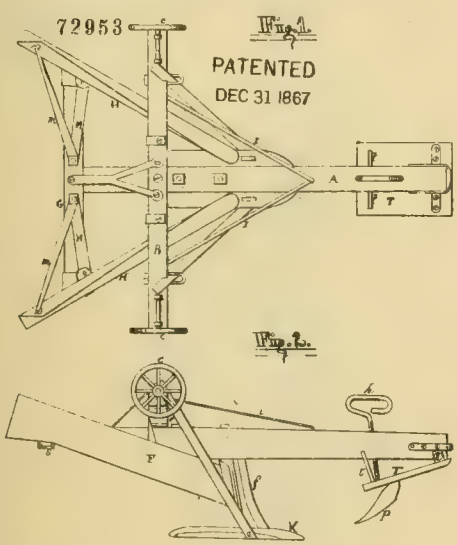
Ditching Plow.

No. 68,697. Patented Sept. 10, 1867



Witnesses:
Inventor:
Wm R. Clark
By Munn & Co
Attorneys

David Whisler's Ditching Plow.

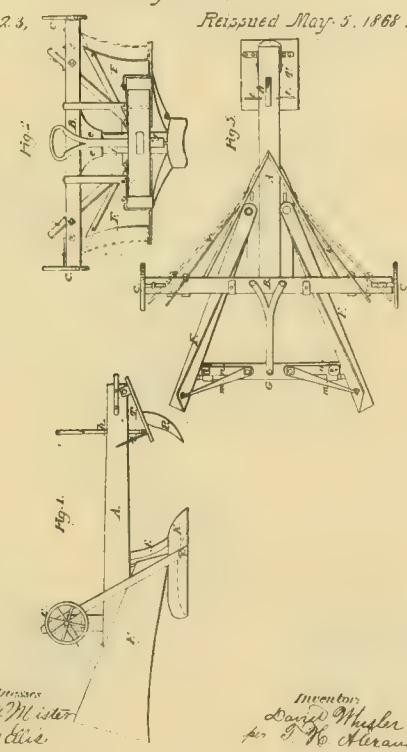


Witnesses
Inventor

D. Whisler.

Ditching Plow.

No. 2,923. Reissued May 5, 1868.

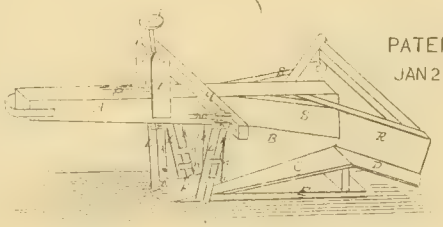


Witnesses
Inventor
David Whisler
for T. H. Alexander

F. Worth & C. A. Davis,

73560 Ditching Machine

Fig. 1.



PATENTED
JAN 21 1868

Fig. 2.

Witnesses
Wm Wagner
W. Noble Davis

Inventors,
F. Worth
C. A. Davis
By their Attorney
Geo. S. Sharpe

D. R. Haworth & J. L. Wilson's Ditching

73858 Plow.

PATENTED
JAN 28 1868

Fig. 1.

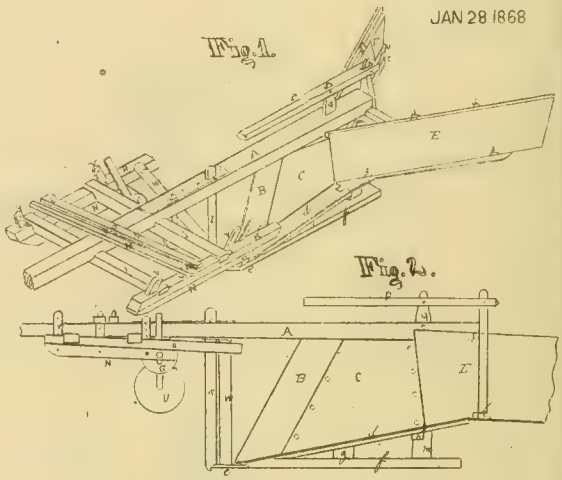


Fig. 2.

Witnesses
Jno. Albertus
White

Inventor
D. R. Haworth & J. L. Wilson
J. H. Alexander
Atty

S. W. Standart's Plow.

74729

PATENTED
FEB 18 1868

Fig. 1.

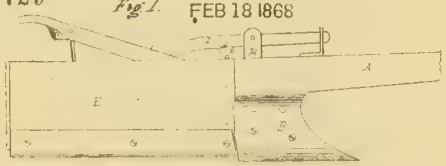


Fig. 2

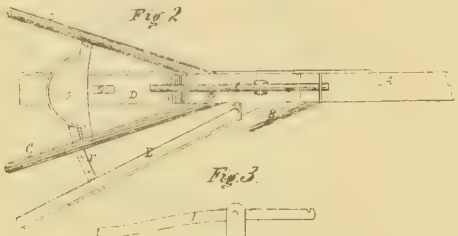
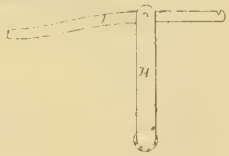


Fig. 3.



Witnesses.
Geo. Gillespie Jr.
A. A. Keating

Inventor.
S. W. Standart
per
Alexander & Ware
Att

W. A. Nichols.

Ditching-Machine.

No 76237 Patented Mar. 31 1868.

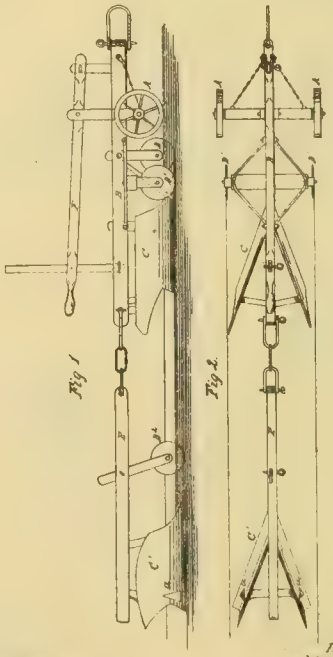


Fig 1

Fig 2.

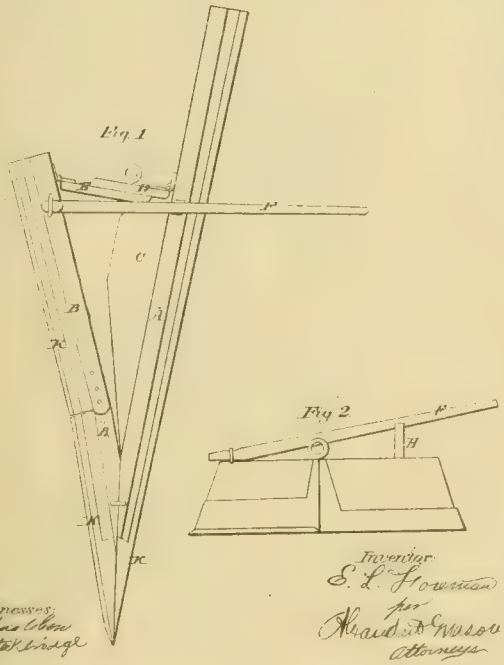
Witnesses
Thos. Jewell
J. A. Shaw

Inventor.
W. A. Nichol
Per Munn & Co
Attorneys

E. L. FOREMAN.

Ditching Plow.

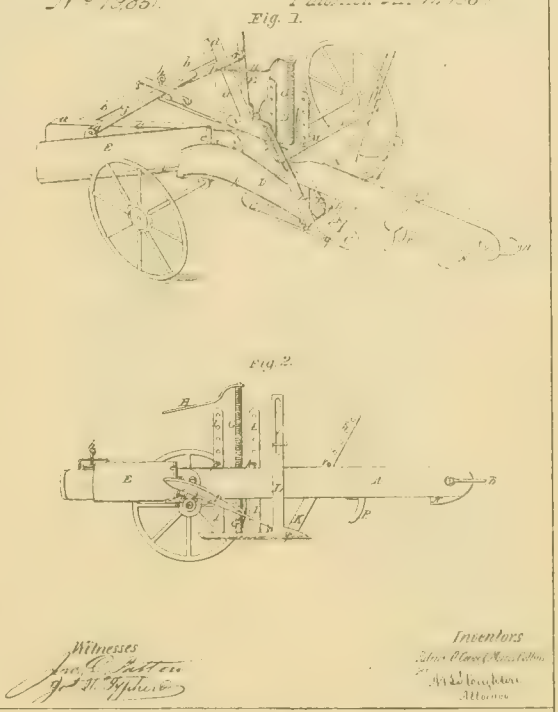
No. 77,024. Patented April 21, 1868.



O'Connor & Collins.

Excavator.

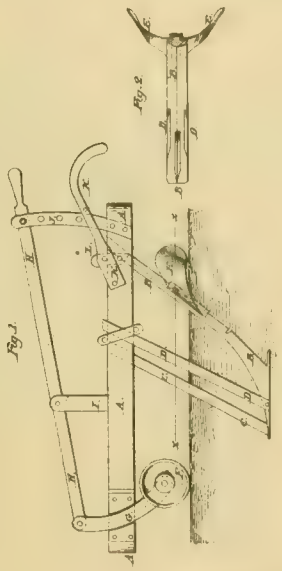
No. 79,851. Patented July 14, 1868.



P. Ballard.

Ditching Plow.

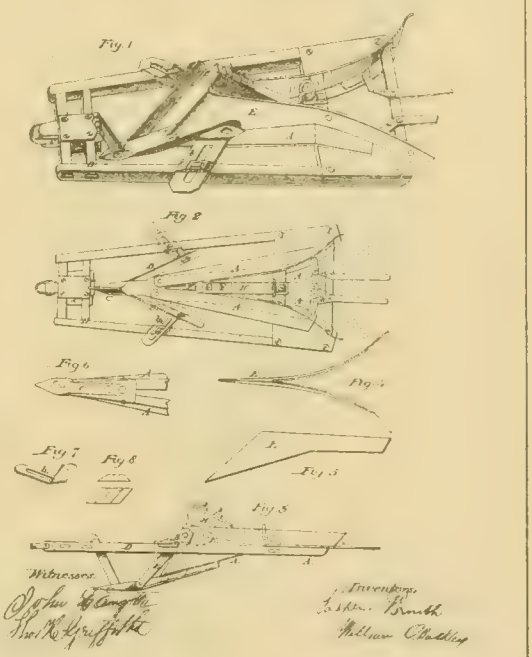
No. 80,113 Patented July 21, 1868.



Smith & Buckley.

Ditching Plow.

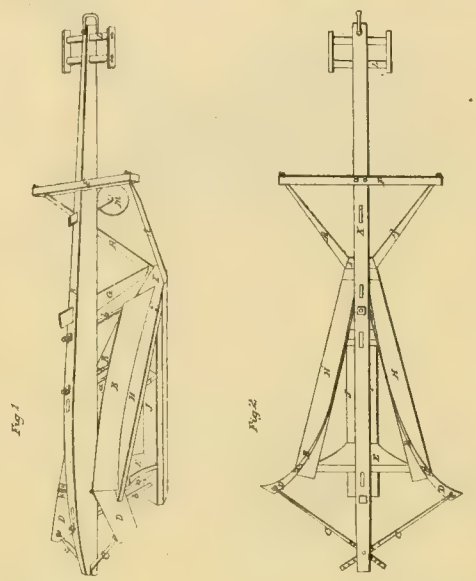
No. 80,880. Patented Aug. 11, 1868.



L. Rickart.

Ditching Machine.

No. 84,136. Patented Nov. 17, 1868.



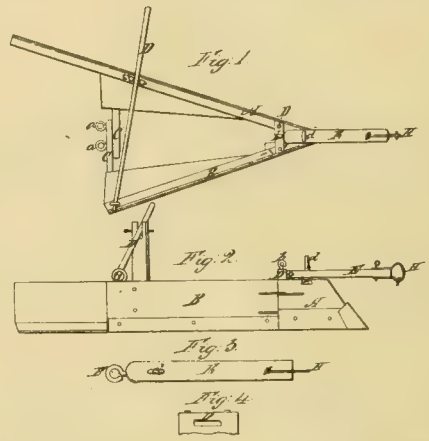
Witnesses
Leopold Evers
A. H. Marx

Inventor
Leonard Rickart
Alexander Mason

E. L. Foreman.

Ditching Plow.

No. 86,294 Patented Jan. 26, 1869.



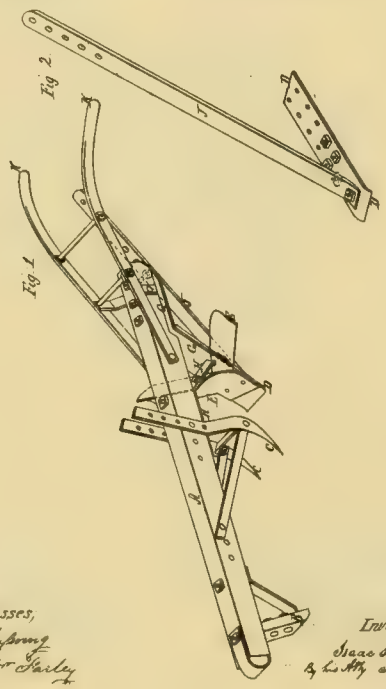
Witnesses:
Cornelius Cox.
Leopold Evers

Inventor:
E. L. Foreman
per Alexander Mason
Atty.

I. S. Sheets.

Ditching Plow.

No. 88,947. Patented Feb. 16, 1869.



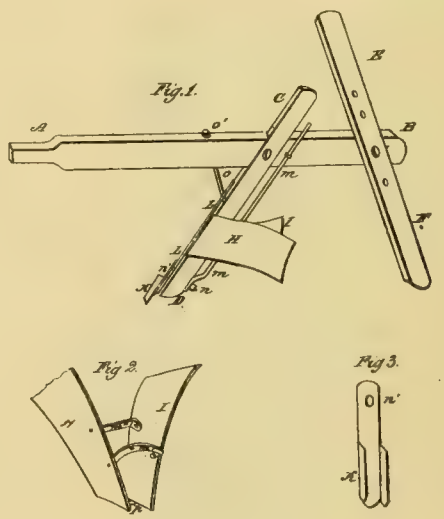
Witnesses,
Otto Lehmann
F. H. for Farley

Inventor,
Isaac S. Sheets
by L. Atty. Jos. Nugent

W. West.

Ditching Plow.

No. 87,892. Patented Mar. 16, 1869.



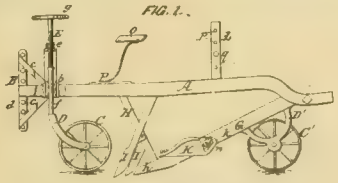
Witnesses.
Chas. Werbe
F. Herpich

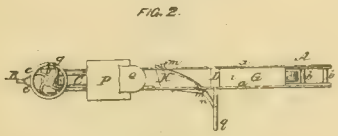
Inventor.
Washington West
by C. E. McDonald
Atty.

M. E. Burtless.

Ditching Mach.

No. 90,496. Patented May 25, 1869.





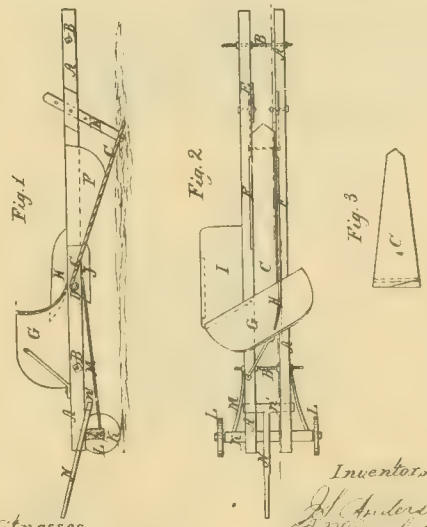
WITNESSES
R. F. Cogswell
Geo. H. Mott

INVENTOR
M. E. Burtless
By J. Fraser & Co
Attys

Anderson & Cooley,

Ditching Machine.

No. 94,539. Patented Sept. 7, 1869.



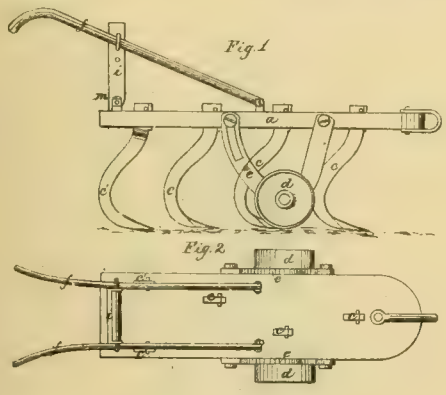
Witnesses
P. Hinchman
Nat. Brooks

Inventors
J. Anderson
J. B. Cooley
Per Munn & Co
Attys

C. Bartholomew.

Ditching Machine.

No. 94,696. Patented Sept. 14, 1869.



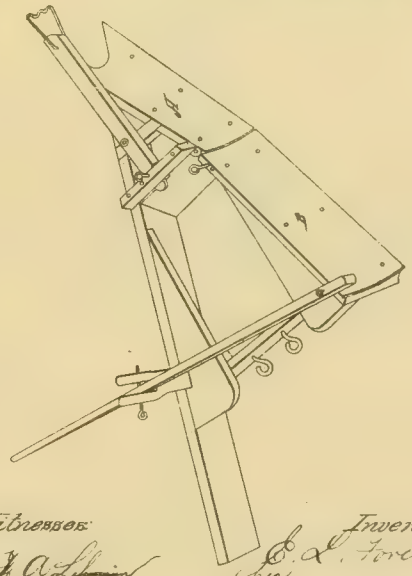
Witnesses
Chas. F. Brown
Jas. H. Thomas

Inventor
C. Bartholomew
By H. Black Atty

E. L. Foreman,

Ditcher.

No. 97,183. Patented Nov. 23, 1869.



Witnesses:
J. A. Lehmann
Leopold Bard

Inventor:
E. L. Foreman
Per
Howson & Sutton
Attys

J. W. & M. H. Weston,

Ditching Machine.

No. 97,464. Patented Nov. 30, 1869.

Fig. 1

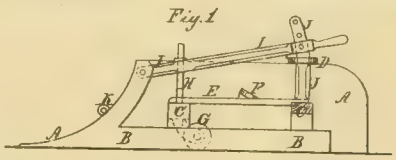
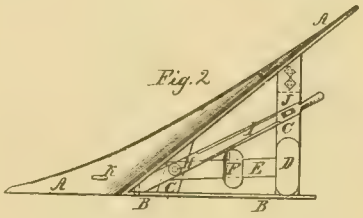


Fig. 2



Witnesses
Truman Dietrich
Alex. F. Roberts

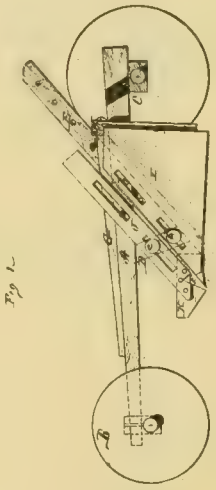
Inventors
J. W. Weston
M. H. Weston
per Munn & Co

W. Cline, Jr. 2 Sheets, Sheet 1.

Ditching Plow.

No. 97,606. Patented Dec. 7, 1869.

Fig. 1



Witnesses
F. A. Schumann
C. L. Evers

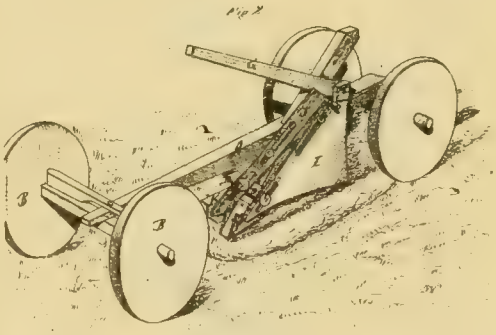
Inventor
Wm. Cline Jr.
per Alexander Mason

W. Cline, Jr. 2 Sheets, Sheet 2.

Ditching Plow.

No. 97,606. Patented Dec. 7, 1869.

Fig. 2



Witnesses
Henry Fry
Chas. L. Evers

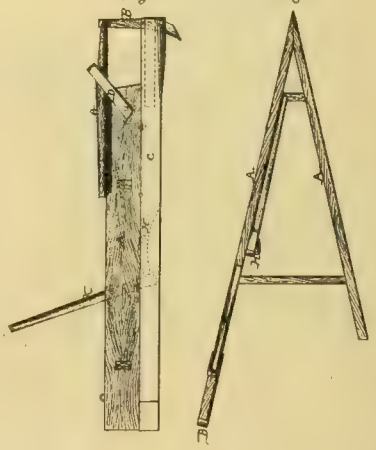
Inventor
Wm. Cline Jr.
per Alexander Mason
Atty.

Sisson & Delany,

Ditcher.

No. 100,199. Patented Feb. 22, 1870.

Fig. 1 Fig. 2



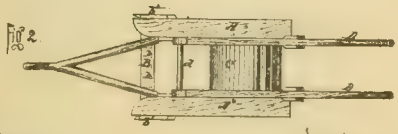
Witnesses
J. Schumann
C. L. Evers

Inventor
J. C. Sisson
J. L. Delany
per Alexander Mason

C. F. Woodruff,

Ditcher.

No. 100,231. Patented Feb. 22. 1870



Witnesses:
Victor Hagmann
Chas. H. Pettit

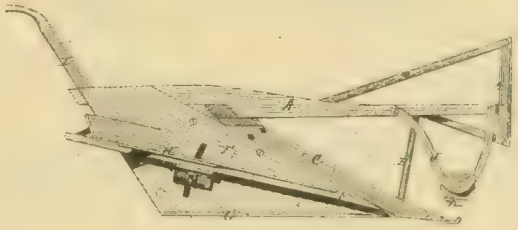
Inventor:
C. F. Woodruff
per Munn & Co
Attorneys.

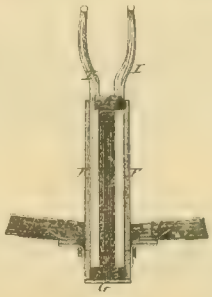
2 Sheets—Sheet 1.

W. PIERCE.

Ditching Plow.

No. 100,664. Patented March 8, 1870.





Witnesses
Jos. B. Thompson
E. L. Ewell

Inventor
Willard Pierce
per Alexander & Mason
Attys.

2 Sheets—Sheet

W. PIERCE.

Ditching Plow.

No. 100,664. Patented March 8, 1870.

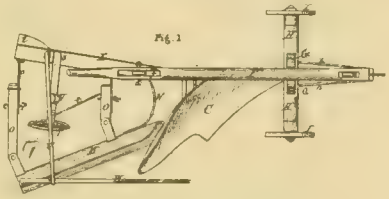
Witnesses
Henry King
E. L. Ewell

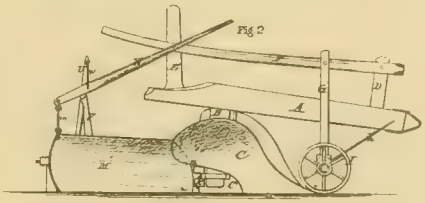
Inventor
Willard Pierce
per Alexander & Mason
Attys

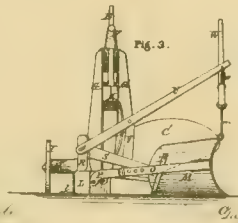
D. HARMON.

Ditching Plow.

No. 101,729. Patented April 12, 1870.







Witnesses:
R. F. Wade
Chas. H. Pettit

Inventor:
David Harmon
by Munn & Co
Attys

J. S. Sheets,

Ditching Plow.

No. 102,599. Patented May 3, 1870.

Fig. 1.

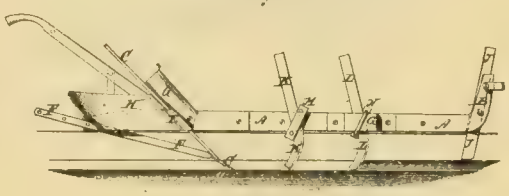


Fig. 2.

Witnesses:

Edgar Tate

Jerrold Brooks

Inventor:

J. S. Sheets

Per Wm. Ko

Attorneys.

R. G. Forsyth,

Ditching Plow.

No. 103,595. Patented May 31, 1870.

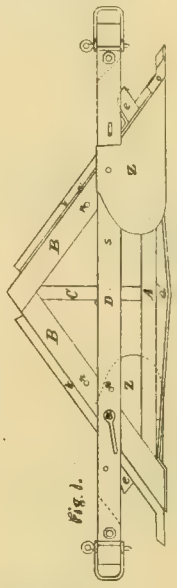


Fig. 1.

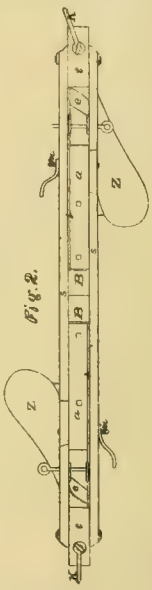


Fig. 2.

Witnesses.

W. W. Kane

Chas. Kenyon.

Inventor.

R. G. Forsyth

Chipman Hunter & Co

Attorneys

W. Stacy,

Ditcher.

No. 105,858. Patented July 26, 1870.

Fig. 1

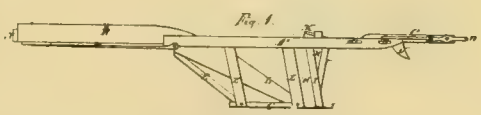
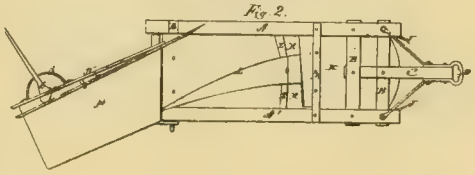


Fig. 2.



Witnesses.

Wm. Stacy

G. W. White

Inventor:

Wm. Stacy

Per

W. Alexander

Atty.

S. N. CALDWELL. 2 Sheets—Sheet 1.

GRADING AND DITCHING PLOW.

No. 105,902. Patented Aug. 2, 1870.

Fig. 1.

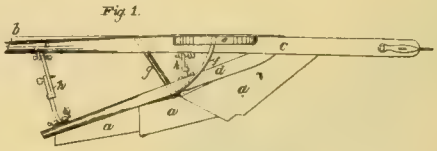
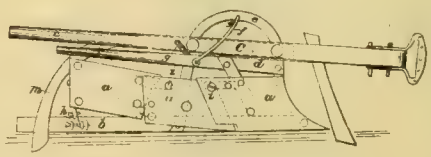


Fig. 2.



Witnesses

P. P. Hale

M. H. Butts

Inventor

S. N. Caldwell

S. N. CALDWELL. 2 Sheets—Sheet 2

GRADING AND DITCHING PLOW.

No. 105,902. Patented Aug. 2, 1870.

Fig. 3.

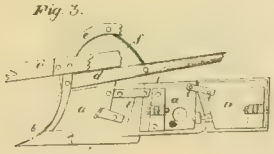
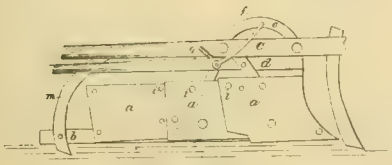


Fig. 4.



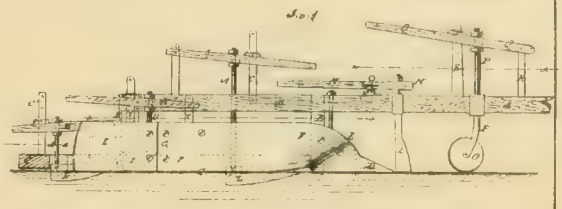
Witnesses
P. M. Hall
W. H. Rice.

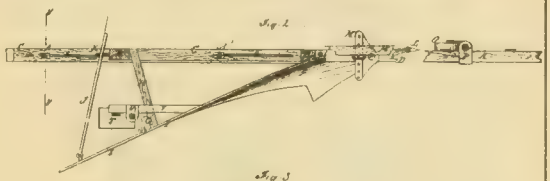
Inventor
S. N. Caldwell.

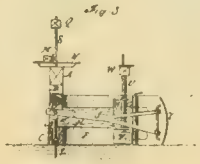
A. J. Stephens,

Ditching Plow.

No. 105,995. Patented Aug. 2, 1870.







Witnesses:
Isaac Nida
L. B. Maher

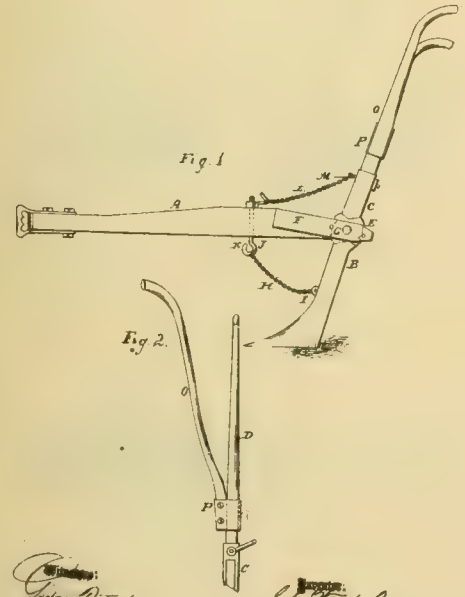
Inventor:
A. J. Stephens
per Munn & Co.
Attorneys.

S. S. WOOD.

Ditching Plow.

No. 106,443. Patented Aug. 16, 1870.

Fig. 1



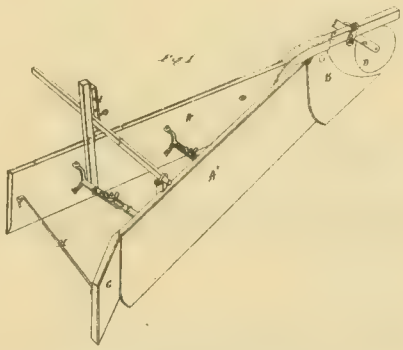
Witnesses:
Andrew Dickson
Geo. W. Maher

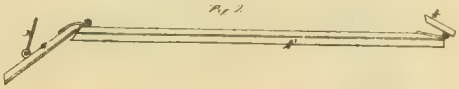
Inventor:
S. S. Wood
per Munn & Co.
Attorneys.

MARTIN & BRADSHAW.

Ditching Plow.

No. 107,393. Patented Sept. 13, 1870.





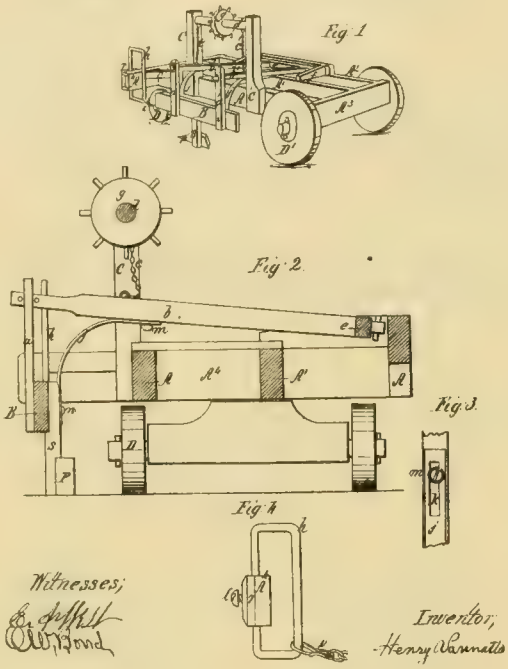
Witnesses
Harry King
D. L. Guerty

Inventors
John T. Martin
Elliston D. Bradshaw
per
Alexander & Mason
Attys.

H. Vannatta.

Ditching Plow.

No. 108,217. Patented Oct. 11, 1870.



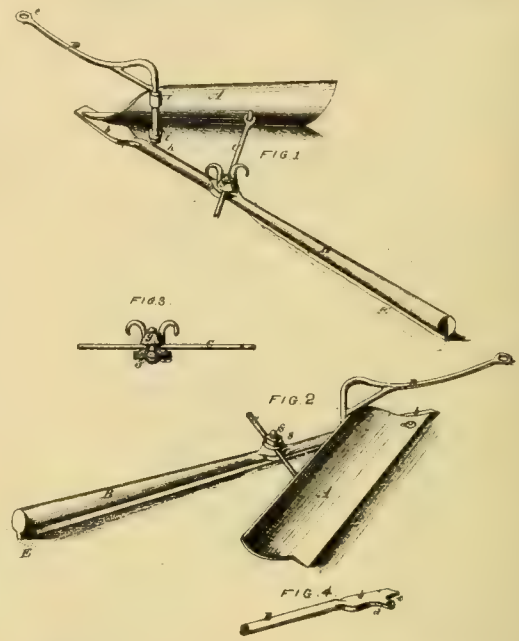
Witnesses;
E. Griffith
W. Bond

Inventor;
Henry Vannatta

G. CLARK.

Ditching Plow.

No. 108,238. Patented Oct. 11, 1870.



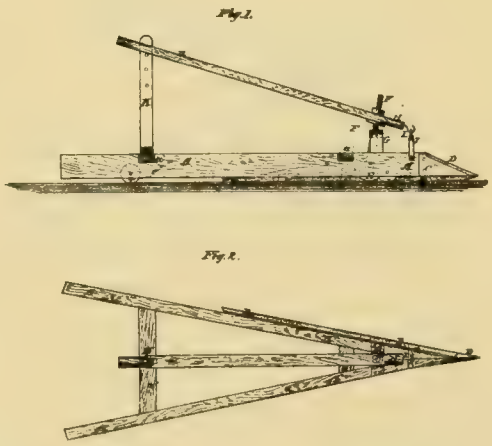
Witnesses
H. S. Deming
Mahlon Klauck

George Clark
by Knight Bros
Attorneys

H. A. Winter,

Ditcher.

No. 109,091. Patented Nov. 8. 1870.



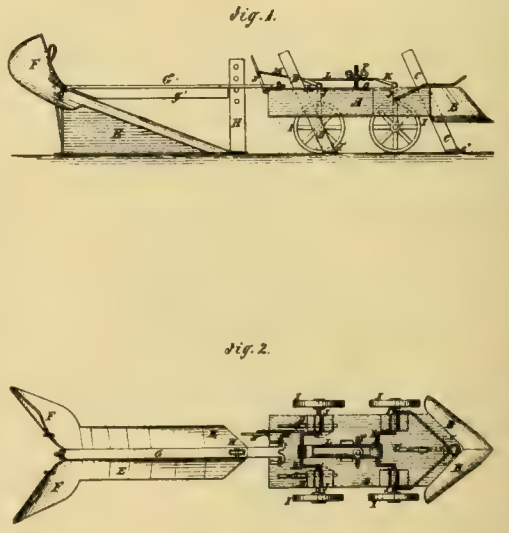
Witnesses:
P. C. Spinnel
D. S. Maber

Inventor:
H. A. Winter
per Munn & Co
Attorneys.

J. W. Roberts,

Ditcher.

No. 109,251. Patented Nov. 15. 1870.



Witnesses.
D. S. Mabee

Inventor.
J. W. Roberts
per Munn & Co

J. ZOEBERLEIN.
Ditching Plow.
No. 109,567. Patented Nov. 22, 1870.

Fig 1.

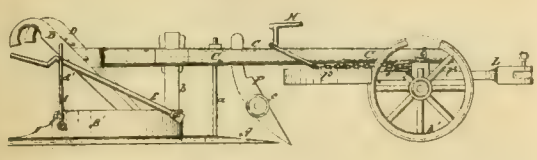
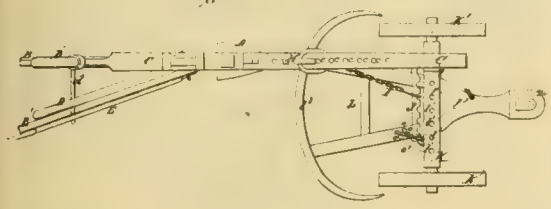


Fig 2



Witnesses:
Julius Weber

Inventor:
J. Zoeberlein
per Bartel & Hagmann
Attorneys.

J. T. Baker,
Tile Ditcher.
No 113722. Patented Apr. 18. 1871.

Fig. 1.

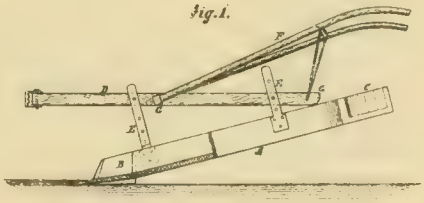
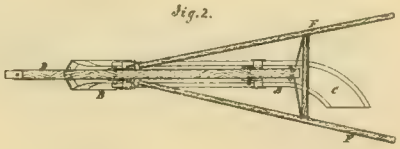


Fig. 2.



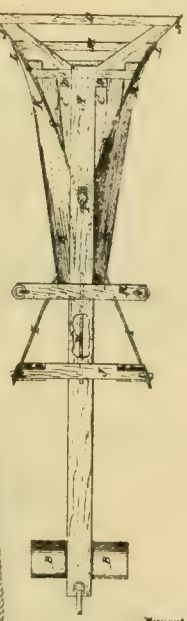
Witnesses:
A Bonnemann
Wm H. C. Smith

Inventor:
J. T. Baker
per Wm H. C.
Attorneys.

Robert M. Primmer. Ditching Machine.
117813
Patented Aug 8 1871

Fig 1.

Fig 2



Witnesses:
E Wolff
Wm H. C. Smith

Inventor:
Robert M. Primmer
per Wm H. C.
Attorneys.

D. Whitesell. Ditching Machine.
No. 119,209. Patented Sep. 19, 1871.

Fig. 1.

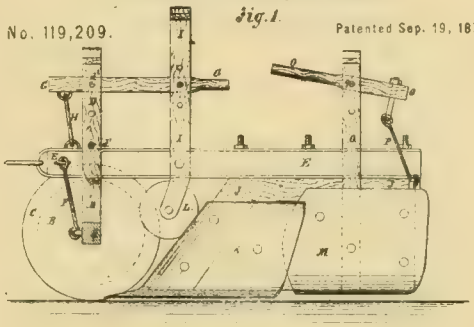
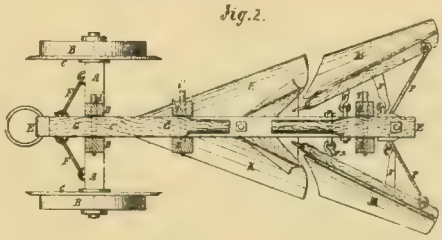


Fig. 2.



Witnesses:
A Bonnemann
Wm H. C. Smith

Inventor:
D. Whitesell
per Wm H. C.

O. F. Hale, Ditching Machine.

No. 119,759. Patented Oct. 10, 1871.

Fig. 1.

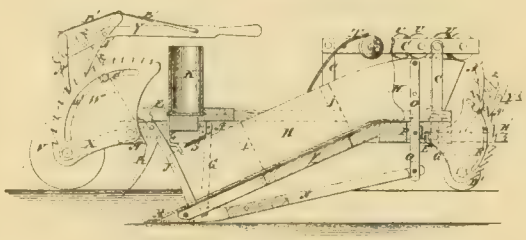
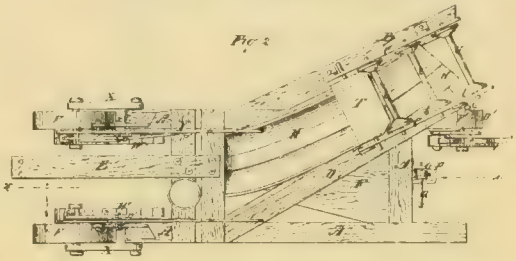


Fig. 2



Witnesses:

C. Buelling

Inventor:

O. F. Hale

Per Munn & Co

Attorneys.

H. D. Williams. Ditching Plow

No. 120,690. Patented Nov. 7, 1871.

Fig. 1

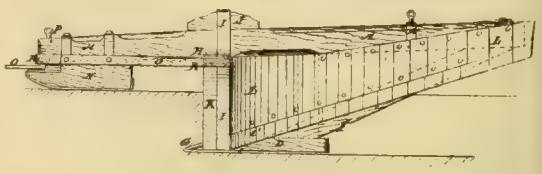


Fig. 2

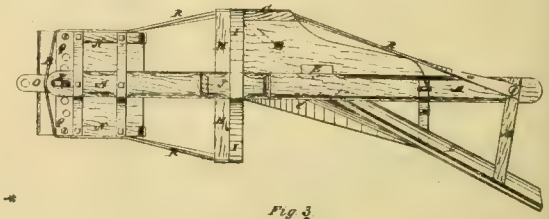
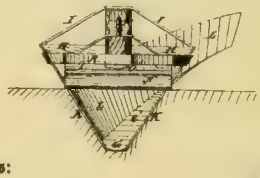


Fig. 3



Witnesses:

E. Wolff

Wm. H. C. Smith

Inventor:

H. D. Williams

Per Munn & Co

Attorneys.

JOHN KELLY & W. H. HENNIS.

Improvement in Ditcher.

No. 123,262. Patented Jan. 30, 1872.

Fig. 1

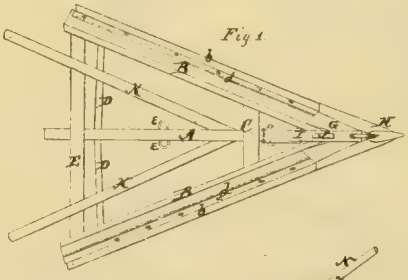


Fig. 2.

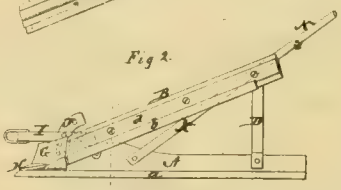
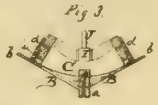


Fig. 3.



Witnesses:

Henry A. Pattee

C. L. Ewert.

Inventor

John Kelly

Wm. H. Hennis

per Alexander Mason

Attys.

J. W. McALISTER & J. C. POFFENBERGER.

Improvement in Ditching Machines.

No. 124,074. Patented Feb. 27, 1872.

Fig. 1.

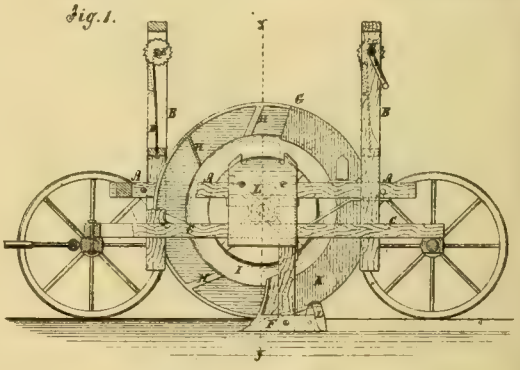
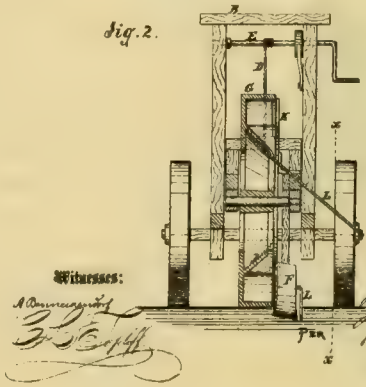


Fig. 2.



Witnesses:

A. Bonnegut Jr.

E. Wolff

Inventor:

J. W. McAlister

J. C. Poffenberger

Per Munn & Co

Attorneys.

L. W. FISHER.

Ditching-Machines.

No. 133,974. Patented Dec. 17, 1872.

Fig. 1.

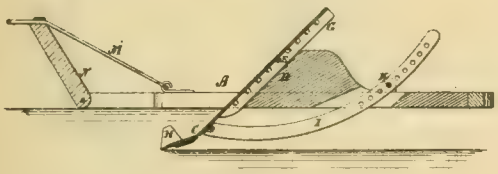
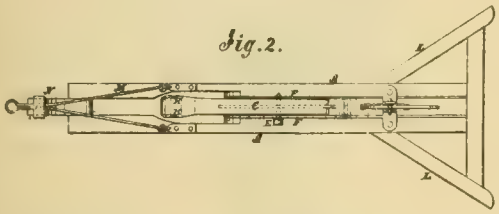


Fig. 2.



Witnesses:
A. Bonnemann Jr.
E. Edgecomb

Inventor:
L. W. Fisher
Per
Attorneys.

D. W. TRAVIS.

Ditching-Machines.

No. 146,725 Patented Jan. 20, 1874.

Fig. 1.

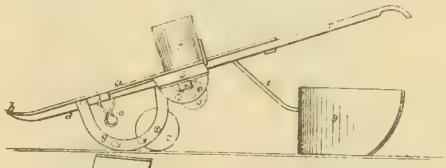
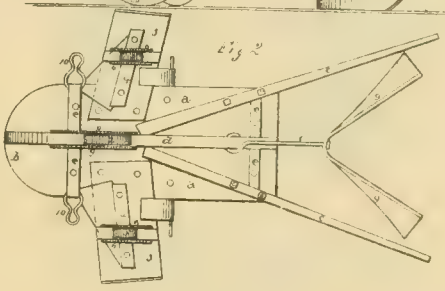


Fig. 2.



Witnesses:
W. F. Hale
W. F. Reedy

Inventor.
D. W. Travis
per
T. A. Lehmann
Attorney

H. G. RICHARDS.

Ditching and Tile-Laying Machines.

No. 149 337. Patented April 7, 1874.

Fig. 4

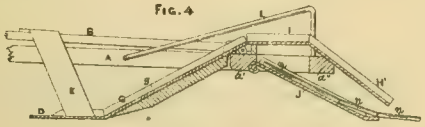


Fig. 3

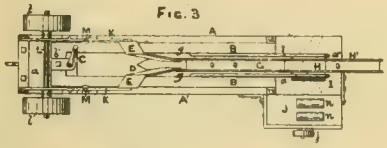


Fig. 2

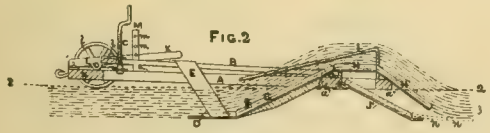
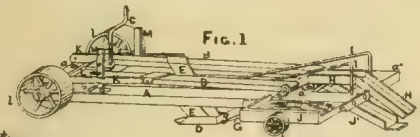


Fig. 1



Witnesses,
A. McCallum
D. G. Stuart

Inventor,
Henry G. Richards,
(by) W. B. Richards,
Atty.

J. A. CLARK.

Ditching-Machines.

No. 150,529. Patented May 5, 1874.

Fig. 1.

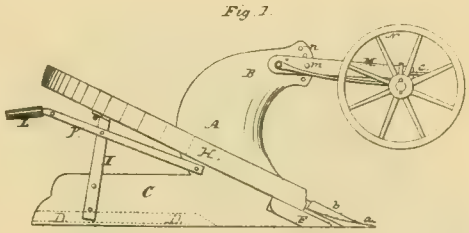
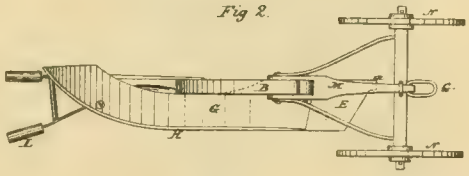


Fig. 2.



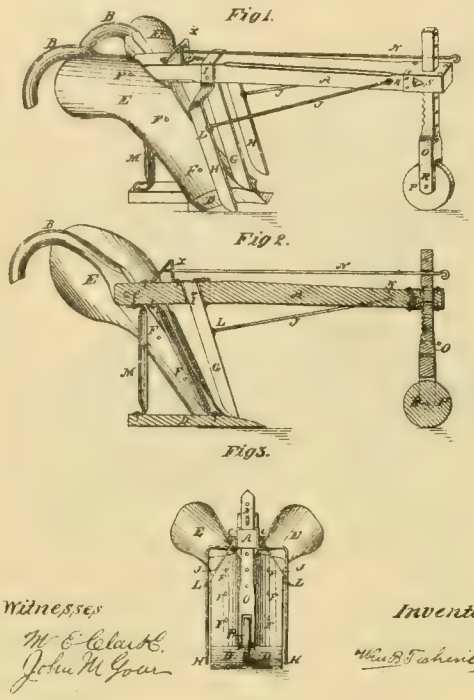
Witnesses,
A. H. Norris,
W. J. Peyton

Inventor.
Joseph A. Clark,
Per James L. Norris,
Atty.

W. B. TICHENOR.

Ditching Plows.

No. 152,436. Patented June 23, 1874.



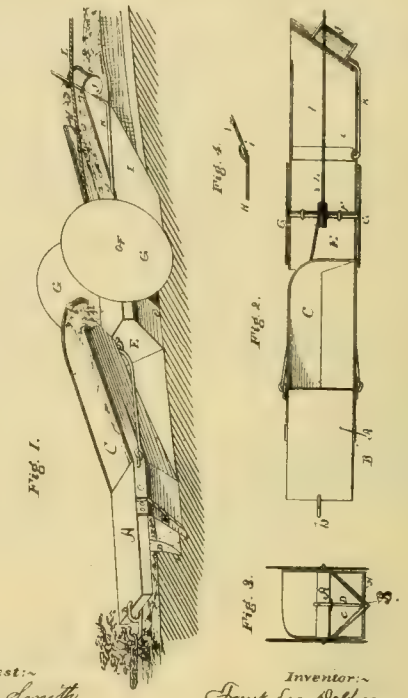
Witnesses
M. E. Clark
John M. Gour

Inventor
Wm B. Tichenor

F. L. DELFER.

Ditching-Machines.

No. 155,184. Patented Sept. 22, 1874.



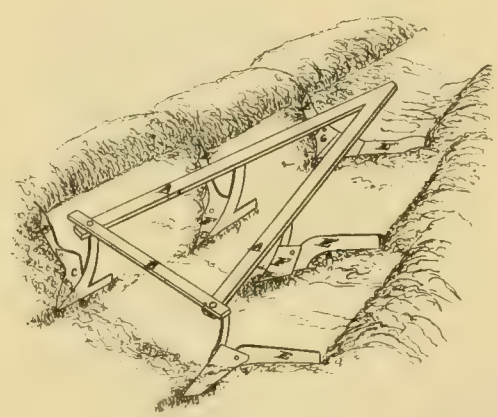
Attest:-
N. B. Smith
J. B. Sourwood

Inventor:-
Frank Leo. Delfer
By his atty B. O. Quick

W. B. HYDE.

Ditching and Embanking Machines.

No. 155,309. Patented Sept. 22, 1874.



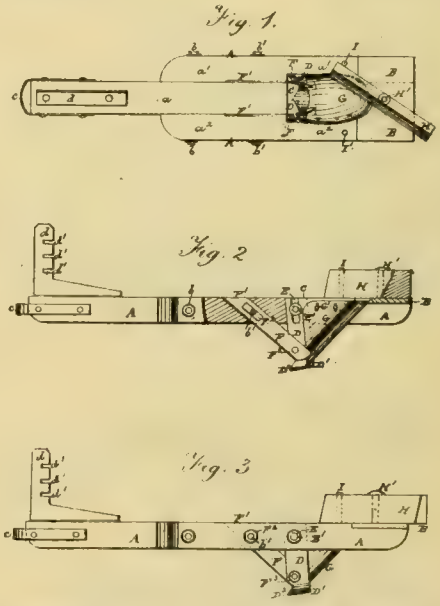
Witnesses
John L. Borne
H. M. Richardson

Inventor
William B. Hyde
by Dewey & Co
Attys

J. DAVIES & C. C. SKINNER.

Ditching-Plows.

No. 156,139. Patented Oct. 20, 1874.



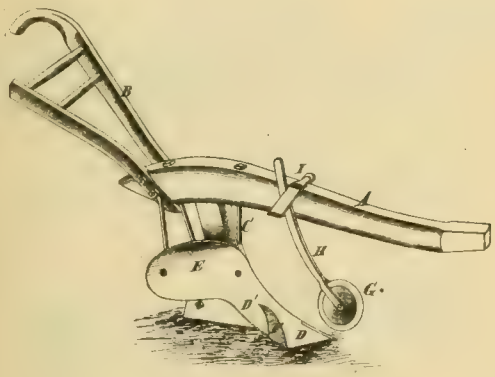
Witnesses.-
E. Muddleditch Benefits
Chas Dorch

Inventors:
James Davies
Charles C. Skinner
by Colburne Brooks
their Attorney

A. L. HARNED.

Ditching-Plow.

No. 161,509. Patented March 30, 1875.



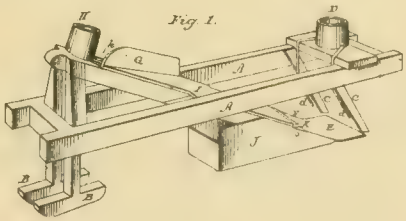
Witnesses.
A. Puppert
C. Bingham

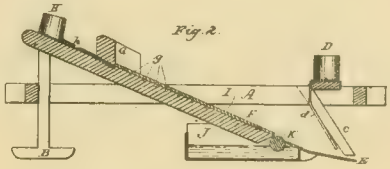
A. L. Harned
Inventor.
D. P. Holloway & Co
Attys

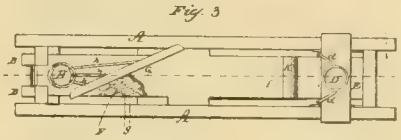
F. L. DELFER.

DITCHING-MACHINE.

No. 175,275. Patented March 28, 1876.







Attest:
Clarence Poole
N. C. Smith

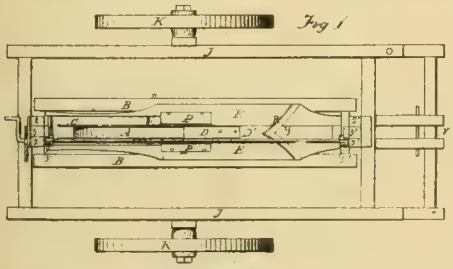
Inventor.
F. L. Delfer
By his atty
R. D. O. Smith

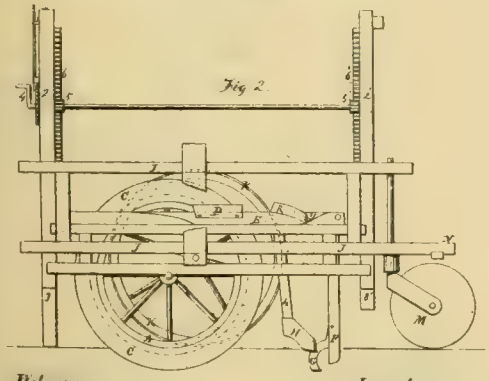
2 Sheets—Sheet 1.

M. J. AUSTIN.

DITCHING-MACHINE.

No. 182,986. Patented Oct. 10, 1876.





Witnesses.
Pennell Kean
A. A. Geatman

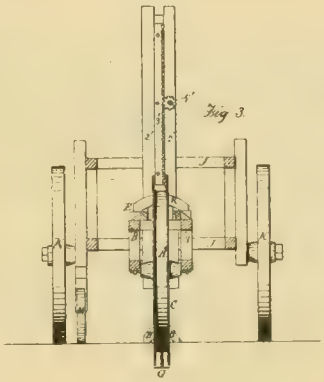
Inventor.
M. J. Austin.
By his Attorneys.
Stansbury & Munn

2 Sheets—Sheet 2.

M. J. AUSTIN.

DITCHING-MACHINE.

No. 182,986. Patented Oct. 10, 1876.



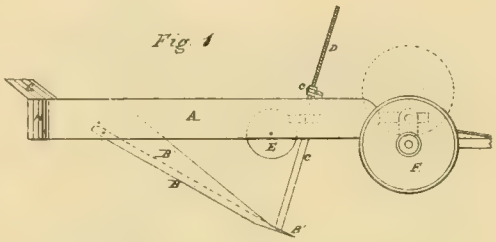
Witnesses
Pennell Kean
A. A. Geatman

Inventor
M. J. Austin
By his Attorneys.
Stansbury & Munn

A. PETERSON.

DITCHING-MACHINE.

No. 186,160. Patented Jan. 9, 1877.



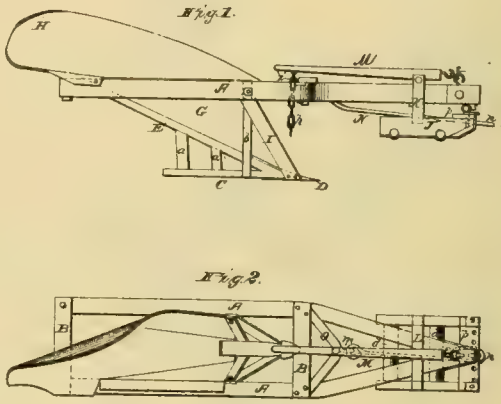
Witnesses
O. D. Mayger
J. M. Swift

Alfred Peterson
Inventor.

D. N. MAXWELL.

DITCHING PLOW.

No. 187,400. Patented Feb. 13, 1877.



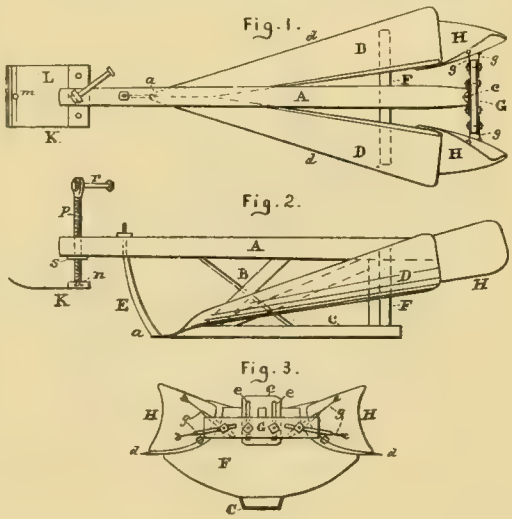
WITNESSES
Franck L. Durand
C. L. Evert.

INVENTOR
David N. Maxwell
By A. Hands Thacher
Attorneys.

J. W. HUMPHREYS.

DITCHING-MACHINE.

No. 187,466. Patented Feb. 20, 1877.



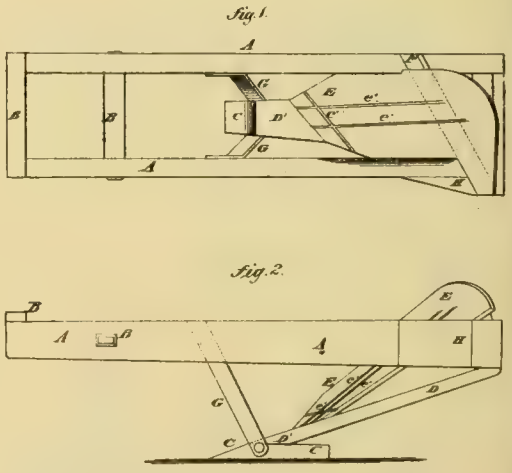
Witnesses:
Henry A. Daniels
R. M. Barr.

Inventor:
James W. Humphreys
By Theodore Munger,
Attorney.

W. R. PEET

DITCHER.

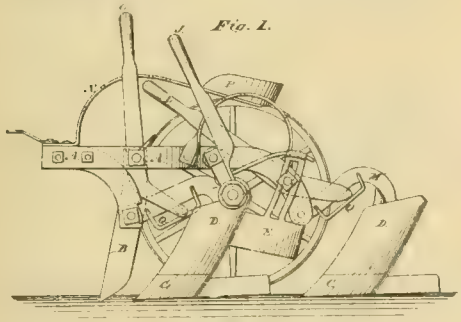
No. 189,647. Patented April 17, 1877.

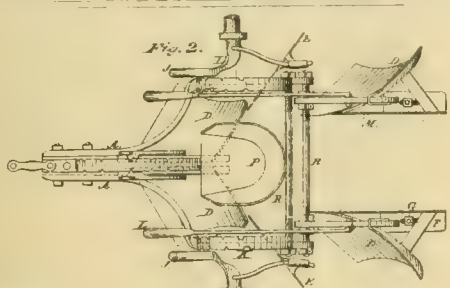


WITNESSES:
Gustave Dieterich
J. H. Scarborough

INVENTOR:
W. R. Peet
BY
Munn & Co
ATTORNEYS

A. PIRCH.
COMBINED DITCHING, GANG AND SHOVEL PLOW.
No. 191,880 Patented June 12, 1877.

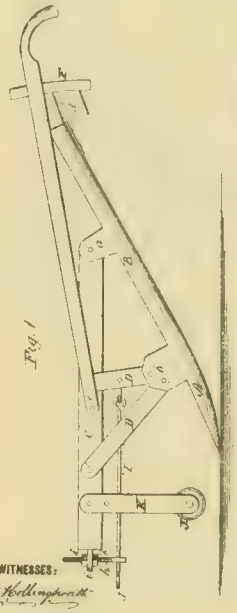


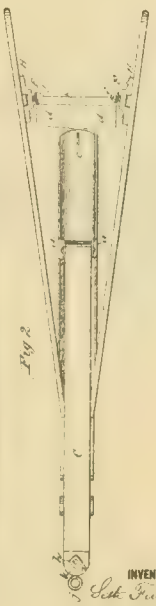


Witnesses:
A. H. Evans.
Geo. H. Evans

Inventor:
August Pirch,
by James R. Allendorfer
his Attorney.

S. FURNAS.
DITCHING-PLOWS.
No. 194,865. Patented Sept. 4, 1877.

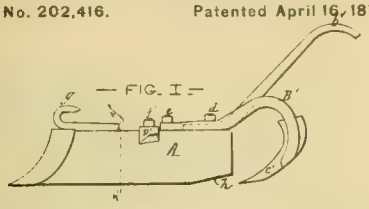


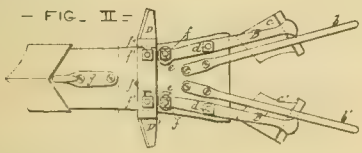


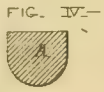
WITNESSES:
Wm. Hollingsworth
E. L. Wright

INVENTOR:
Seth Furnas
BY
Chas. R. Ellis
ATTORNEYS

O. T. DAVIES.
Ditcher and Cultivator Combined.
No. 202,416. Patented April 16, 1878.



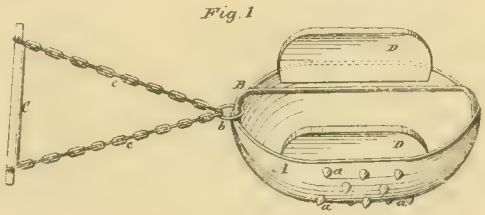


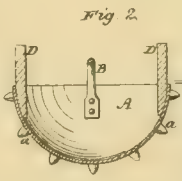


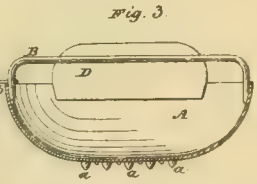
WITNESSES:
C. H. Wickens
W. T. Hutchinson

INVENTOR:
Orlando Thomas Davies.
by C. H. W. Howard
Atty.

H. W. HILL.
Machine for Opening Ditches.
No. 203,042. Patented April 30, 1878.





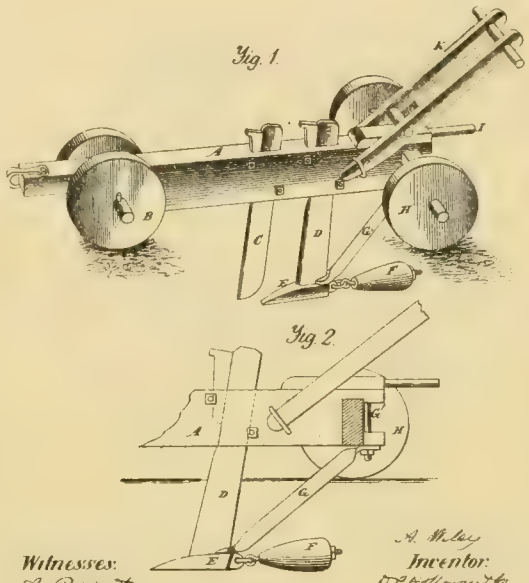


Witnesses:
Theo. Coleman
John Pinby

Inventor:
Hugh W. Hill
per Chas. P. Norcum
Atty.

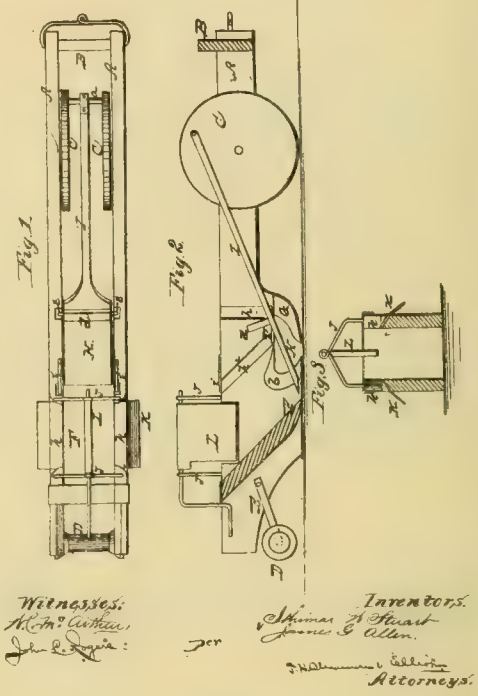
A. WILEY.
Ditching-Plow.

No. 205,325. Patented June 25, 1878.



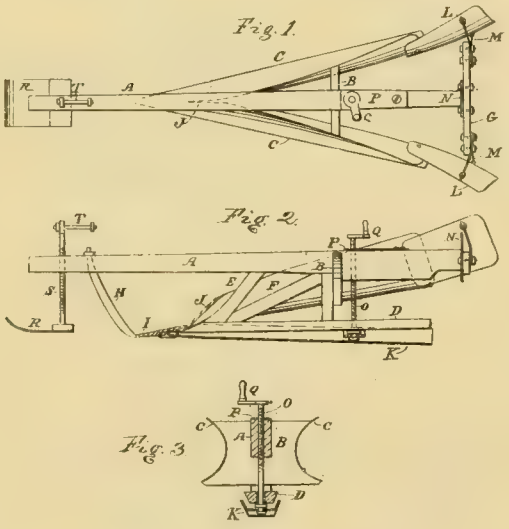
I. W. STUART & J. G. ALLEN.
Ditching-Plow.

No. 207,993. Patented Sept. 10, 1878



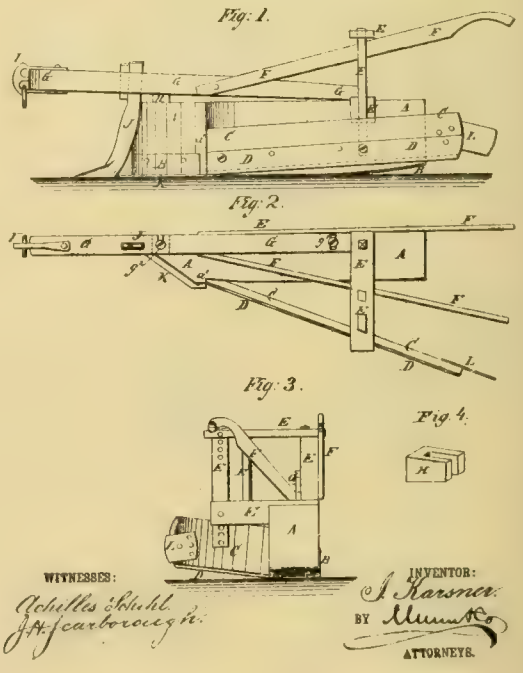
J. W. HUMPHREYS.
Ditching-Machine.

No. 208,682. Patented Oct. 8, 1878.



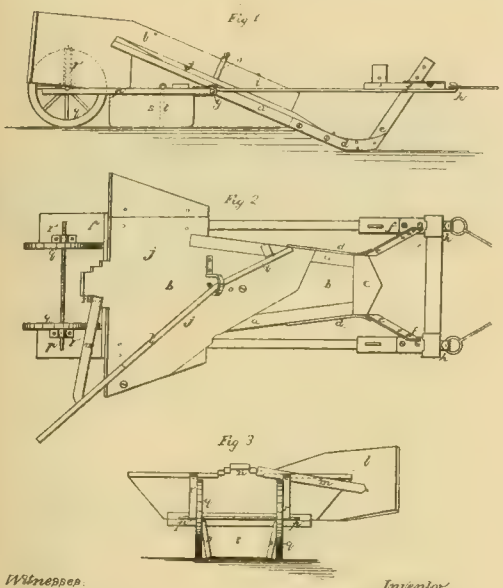
I. KARSNER.
Road-Ditcher.

No. 214,399. Patented April 15, 1879.



C. D. EDWARDS.
Ditching-Machine.

No. 216,162. Patented June 3, 1879.

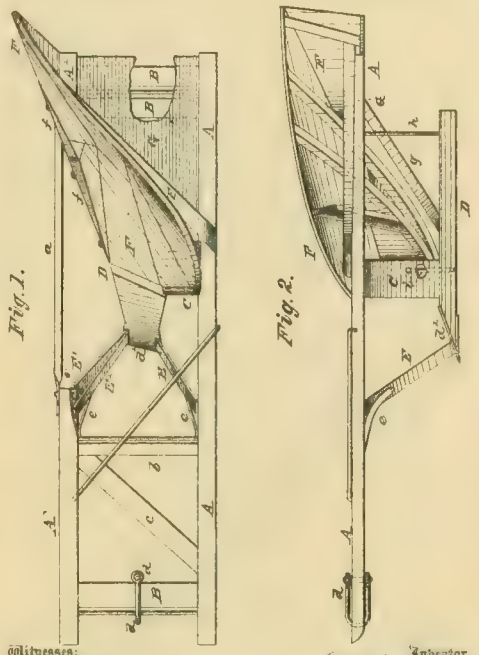


Witnesses:
J. W. Garner
W. L. D. Hamm

Inventor
Chas. D. Edwards
per
F. A. Ellmann, Atty

W. STACY.
Ditcher.

No. 219,778. Patented Sept. 16, 1879.

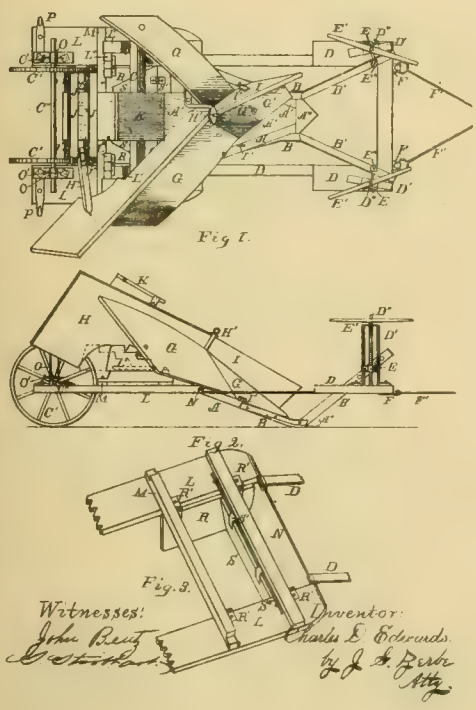


Witnesses:
P. C. Dieterich
Jno. A. Stockman

Inventor
William Stacy
Per C. H. Walborn & Co. Attorneys.

C. D. EDWARDS.
Ditching-Machine.

No. 225,579. Patented Mar. 16, 1880.



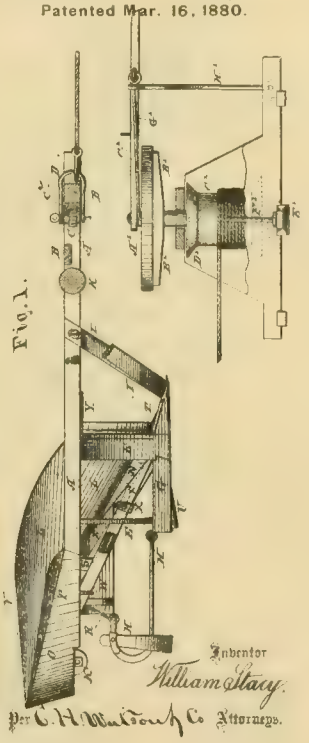
Witnesses:
John Bentz
J. Stockman

Inventor:
Charles D. Edwards.
by J. A. Berk
Atty

2 Sheets—Sheet 1

W. STACY.
Ditching-Machine.

No. 225,657 Patented Mar. 16, 1880.



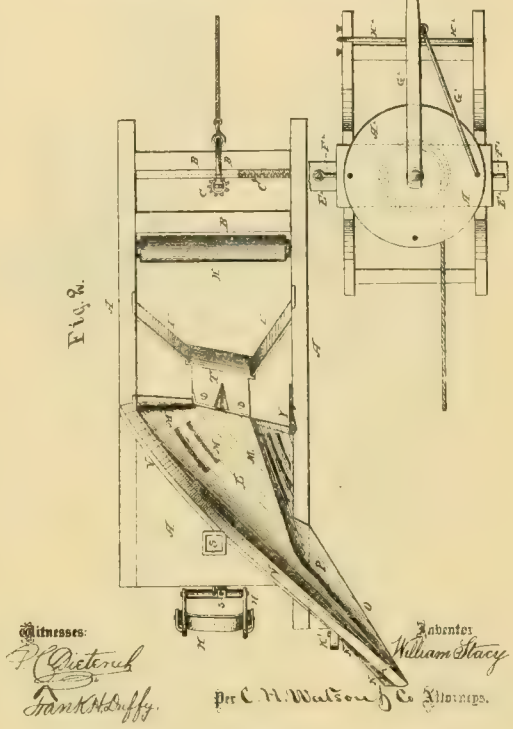
Witnesses:
P. C. Dieterich
Frank H. Duffy

Inventor
William Stacy.
Per C. H. Walborn & Co. Attorneys.

2 Sheets—Sheet 2

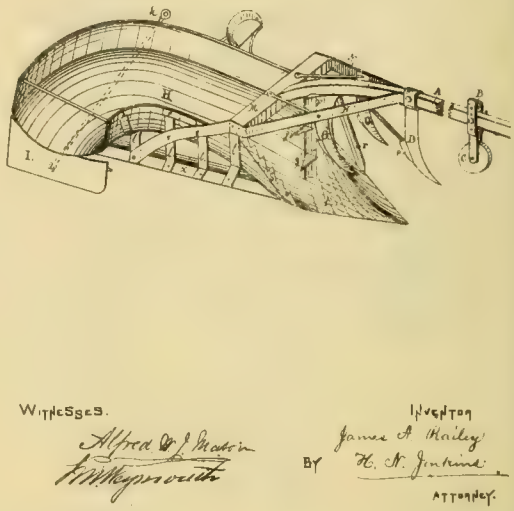
W. STACY.
Ditching-Machine.

No. 225,657. Patented Mar. 16, 1880.



J. A. RAILEY.
Ditching-Machine.

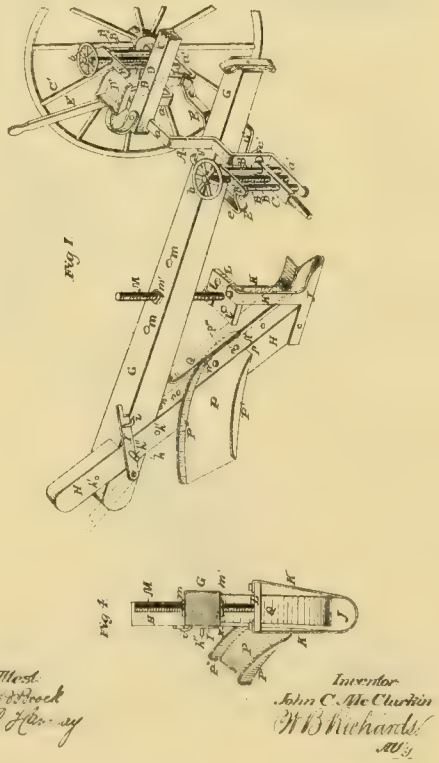
No. 227,651. Patented May 18, 1880.



2 Sheets—Sheet 1.

J. C. McCLURKIN.
Ditching Plow.

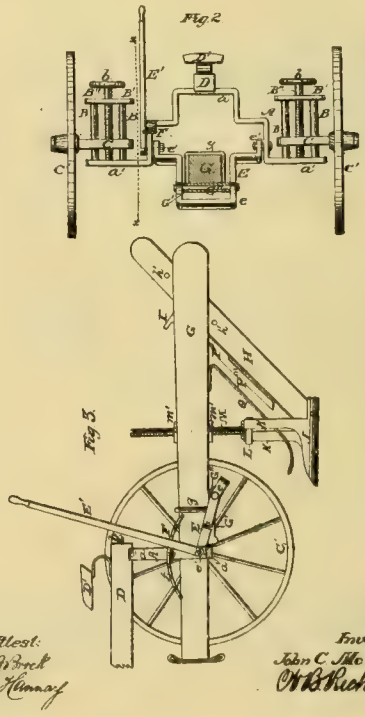
No. 231,598. Patented Aug. 24, 1880.



2 Sheets—Sheet 2.

J. C. McCLURKIN.
Ditching Plow.

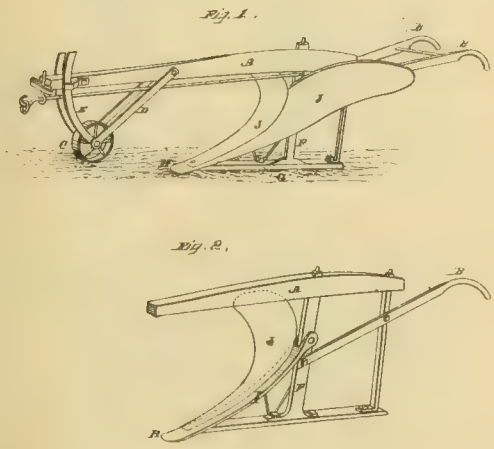
No. 231,598. Patented Aug. 24, 1880.



(No Model.)

A. HASKINS.
Ditching Plow.

No. 240,127. Patented April 12, 1881.



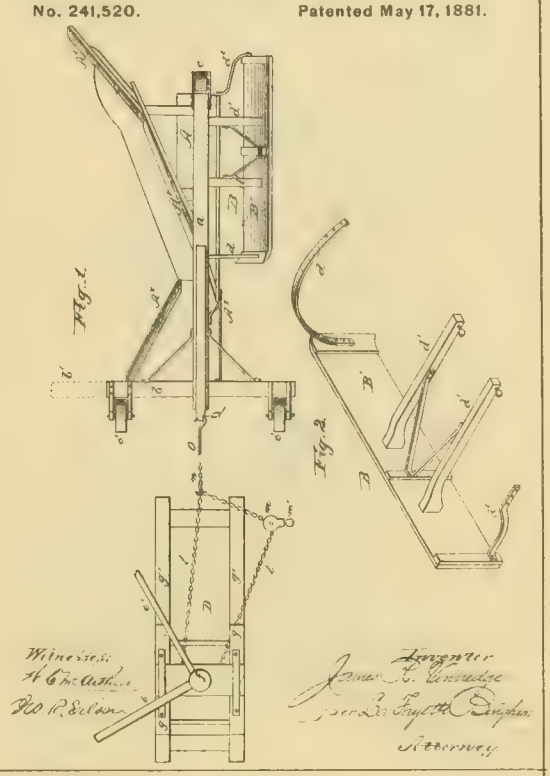
Witnesses
Geo. W. Strong
Henry A. Brooks

Inventor
Alfred Haskins
By
Dewey & Co.
Attys

(No Model.) 2 Sheets—Sheet 1.

J. R. VINNEDGE.
Ditching Machine.

No. 241,520. Patented May 17, 1881.



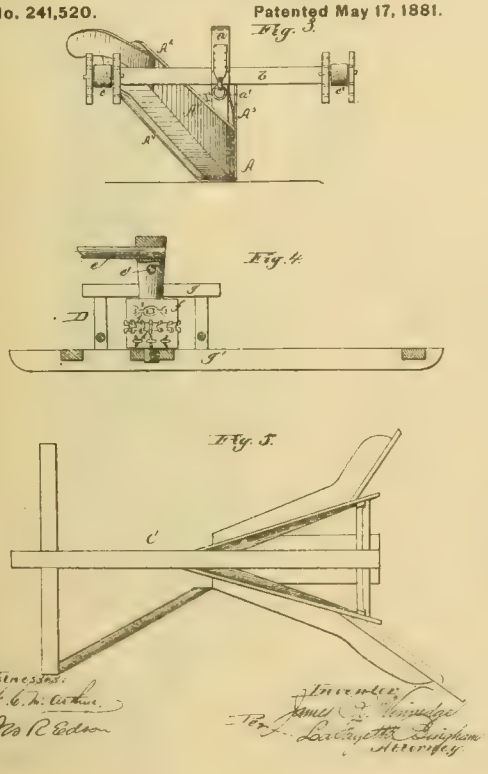
Witnesses:
H. C. Ashton
Wm. R. Edson

Inventor
James R. Vinnedge
per La Fayette Bingham
Attorney

(No Model.) 2 Sheets—Sheet 2.

J. R. VINNEDGE.
Ditching Machine.

No. 241,520. Patented May 17, 1881.



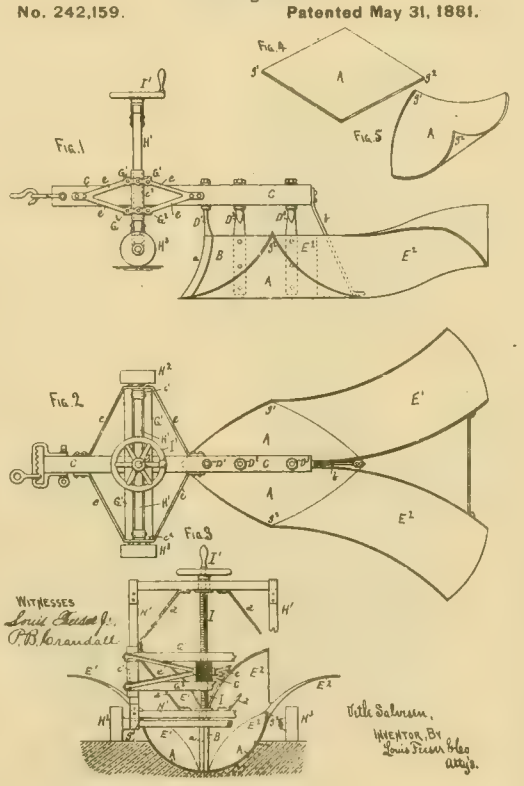
Witnesses:
H. C. Ashton
Wm. R. Edson

Inventor
James R. Vinnedge
per La Fayette Bingham
Attorney

(No Model.)

V. SALVESEN.
Ditching Plow.

No. 242,159. Patented May 31, 1881.



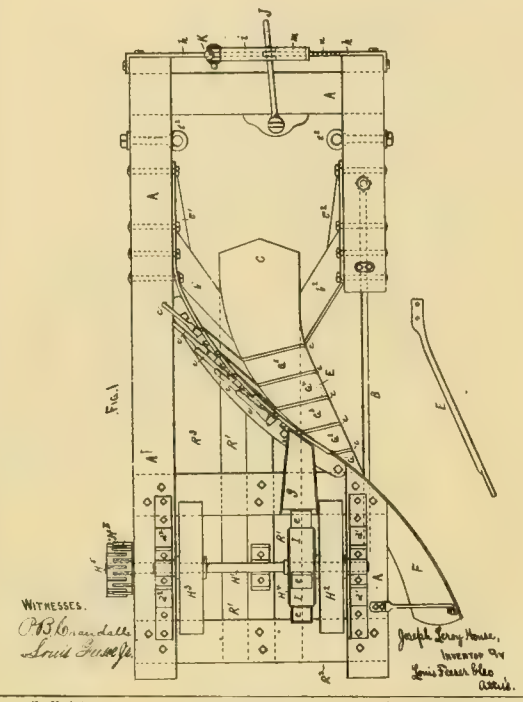
Witnesses
Louis Geissler Jr.
P. B. Crandall

Ville Salvesen,
Inventor, By
Louis Geissler & Co.
Attys.

(No Model.) 3 Sheets—Sheet 1.

J. L. HOUSE.
Ditching Plow.

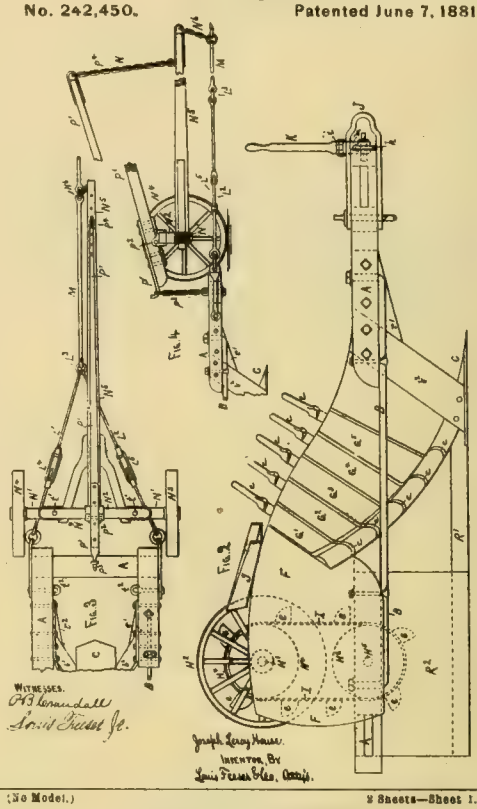
No. 242,450. Patented June 7, 1881.



(No Model.) 3 Sheets—Sheet 2.

J. L. HOUSE.
Ditching Plow.

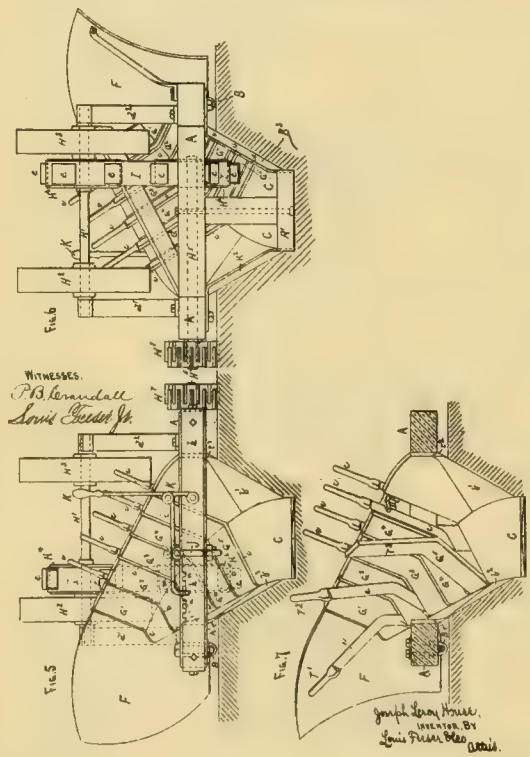
No. 242,450. Patented June 7, 1881.



(No Model.) 3 Sheets—Sheet 3.

J. L. HOUSE.
Ditching Plow.

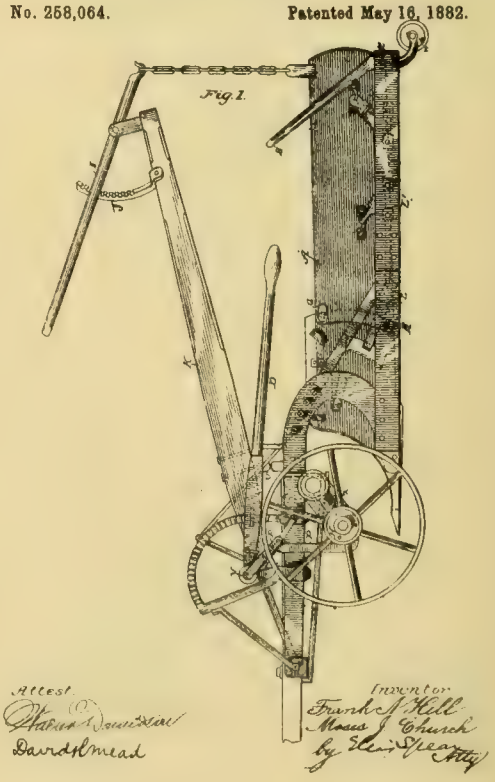
No. 242,450. Patented June 7, 1881.



(No Model.) 2 Sheets—Sheet 1.

F. A. HILL & M. J. CHURCH.
DITCHING AND GRADING PLOW.

No. 258,064. Patented May 16, 1882.

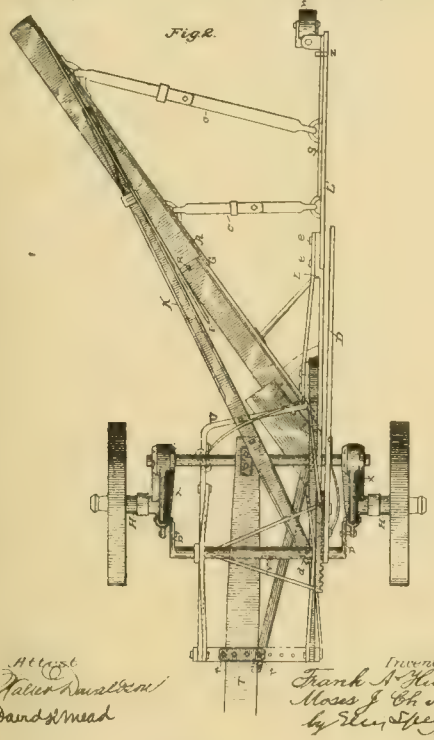


(No Model.) 2 Sheets—Sheet 2.

F. A. HILL & M. J. CHURCH.

DITCHING AND GRADING PLOW.

No. 258,064. Patented May 16, 1882.



Witnesses
Walter Dunlap
David S. Mead

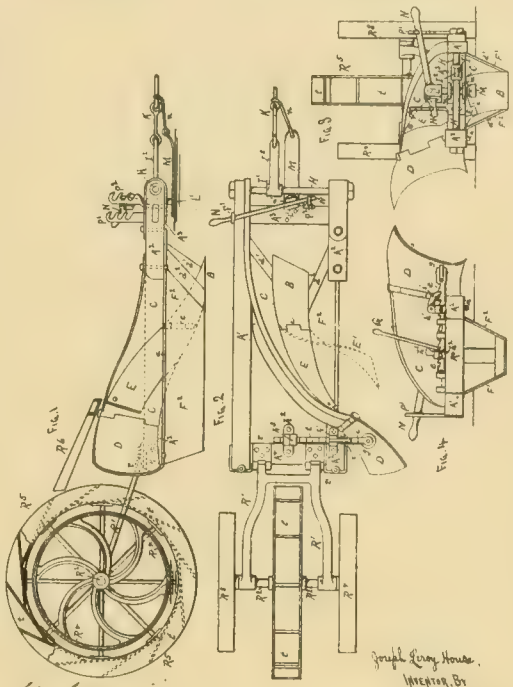
Inventor
Frank A. Hill
Moses J. Church
by Geo. Spear
Atty

(No Model.)

J. L. HOUSE.

DITCHING PLOW.

No. 262,229. Patented Aug. 8, 1882.



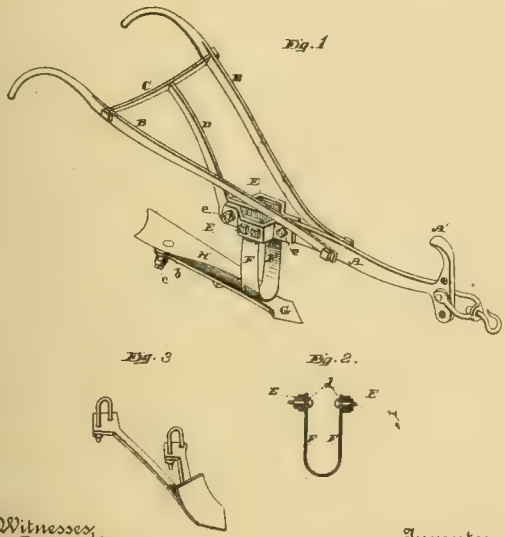
Witnesses.
Joseph Leroy House.
Inventor, By
Louis Fauntleroy
Atty's.

(No Model.)

G. O. & A. KIRKPATRICK.

DITCHING PLOW.

No. 265,102. Patented Sept. 26, 1882.



Witnesses,
Geo. H. Strong
Jos. H. Nourse

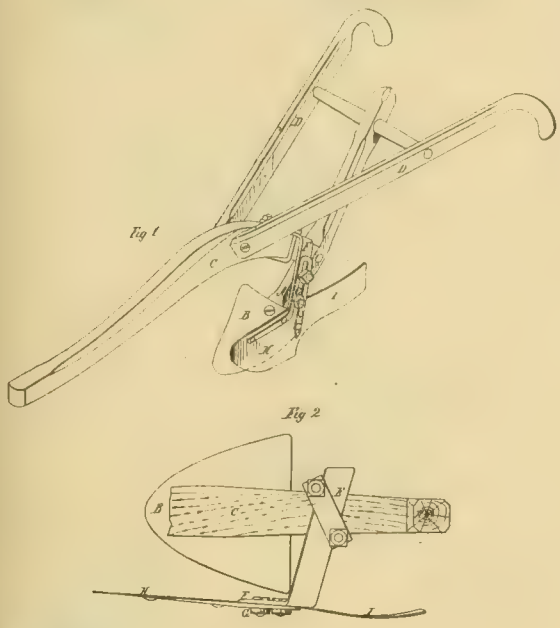
Inventor,
Geo. O. Kirkpatrick
A. Kirkpatrick
By Dewey & Co
Attorneys

	Plate	Claim
Ahearn, J.	349	212
Alden, R.	343	110
Applegate, D.	350	212
Austin, R. and Gardiner, W. H.	260	215
Bailey, F. L.	357	214
Barber, P.	343	210
Batchelder, W. J. M.	344	210
Bates, I. S.	362	216
Beaumont, L. B.	363	217
Bell, J. C.	350	212
Bennett, W.	345	210
Brain, G.	345	210
Brown, D. F. and E. C.	351	212
Browne, G.	363	216
Cameron, J. F.	342	209
Cluckner, J.	355	214
Cogswell, C. A.	346	211
Cook, R.	344	210
Curryer, J. C. and W. F.	248	211
Curryer, J. C. and W. F.	355	214
Custer, W.	347	211
Davis, L. Jr.	361	216
Dearth, W. L. and Rondebush, G. P.	353	213
Dement, J.	343	209
Dirst, A. L.	358	215
Doddridge, L. M.	351	212
Dodge, T. H.	341	209
Dougherty, J. C.	344	210
Douglass, J. T.	362	216
Emmert, E.	342	209
Fox, J.	348	211
Gardener, F. M.	352	213
Garrett, G.	346	211
Gillespie, R. T.	356	214
Gillespie, R. T.	358	215
Hain, M. and D.	360	215
Harpster, R.	356	214
Haviland, G. W.	363	217
Higgins, J. and J. W.	352	213
Hoyt, O. W.	359	215
Ivey, W. D.	441	209
Jackson, G. H.	354	213
Jennings, A.	347	211
Jennings, G.	350	212
Kelly, R. A.	349	212
Kendall, F. B.	361	216
Kidder, W. B.	356	214
King, A. B.	353	213
Kinney, J.	457	214
Kirkham, M.	346	210
Kirkpatrick, A.	446	211
Kring, H. O.	361	216
Lannay, E.	355	214
Lostutter, W. C. and Wolcott, S.	342	209
Loveless, J. W.	349	212
Lowden, F. M. and J. D.	353	213
Lowe, J.	345	210
McConaughey, T. B.	343	210
McLeary, A. C.	359	215
Martin, A. T. Jr.	359	215
Meggs, H. P.	362	216
Miller, E. and B.	341	209
Miller, S. J. and		
Wright, L.	347	211
Monical, J. W.	348	211
Moore. W. E.	348	211
Moore, D. O. and Reid, F.	254	213
Murphy, E. B. and Bramell, C. D.	360	215
Neely, B. F.	355	214
Neely, B. F.	357	214
Perry, G. L.	358	214
Pond, J. N.	344	210
Pyle, I. N.	357	214
Reed, S. J.	347	211
Reedy, J.	345	210
Rigell, M. and Ivey, W. D.	342	209
Rigell, M.	454	214
Rubsam, J. B.	360	215
Seeger, G. Loveless, J. W. and Throp, J. W.	349	212
Shular, L. H.	351	212
Simmons, A. and M.	361	216
Snow, G. B.	362	216
Spedden, H. B.	350	212
Taylor, J. V.	341	209
Thornton, A. B.	352	213
Thornton. A. B.	456	214
Tull, J. W.	354	213
Vaughan, G. B.	359	215
Voigt, C. I.	352	213
Webber, A. P.	458	215
Witt, L. C. and Jones, W. F.	353	213
Woolley, J. F.	351	212

E. & B. Miller.

Plow Fender.

No. 25,432. Patented Sept. 13, 1859.



Witnesses;

Inventor;

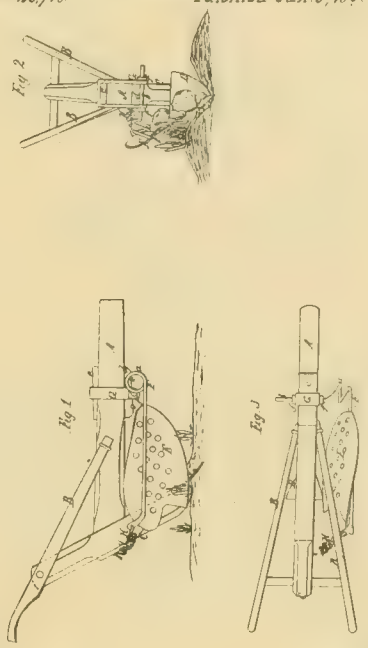
Edmund Miller

Benjamin Miller

J. V. Taylor.

Plow Fender.

No. 26,718. Patented Jan. 3, 1860.



Witnesses,

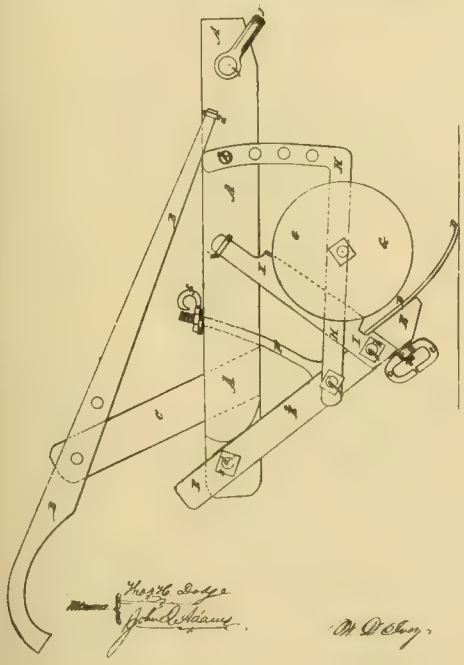
Inventor,

J. V. Taylor

W. D. Levy

Plow Fender.

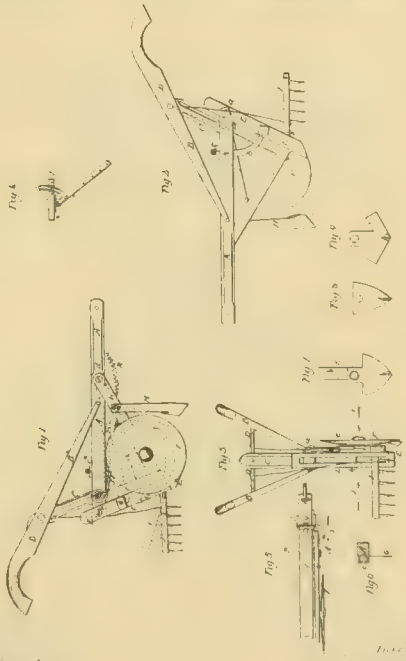
No. 27,808. Patented Apr. 10, 1860.



T. H. Dodge.

Cultivator.

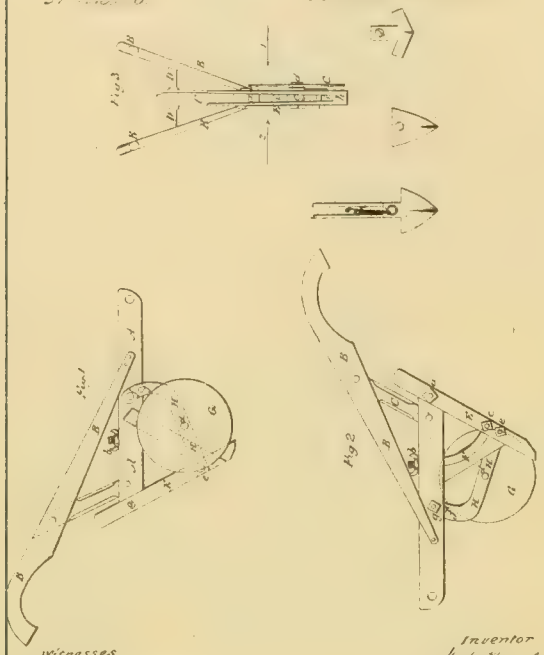
No. 28,147. Patented Jul. 17, 1860.



Rigall & Irgy.

Cultivator.

No. 29,196. Patented Jul. 17, 1860.



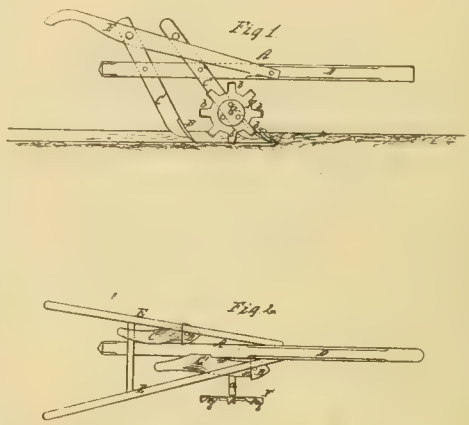
Witnesses
John Quincy Adams
H. C. Wooddrow

Inventor
Mark Rigall
H. D. Irgy
By their Atty
Geo. H. Dodge

E. Emmert.

Cultivator.

No. 29,368. Patented Jul. 31, 1860.



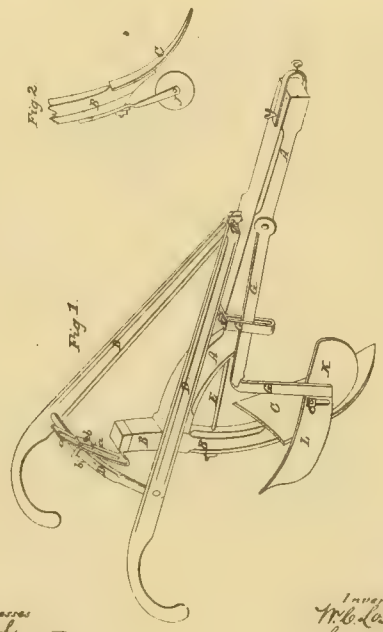
Witnesses
J. W. Coonly
R. S. Spencer

Inventor
E. Emmert
Per Munn & Co
Attorneys

Lostutter & Wolcott.

Plow Fender.

No. 29,391. Patented Jul. 31, 1860.



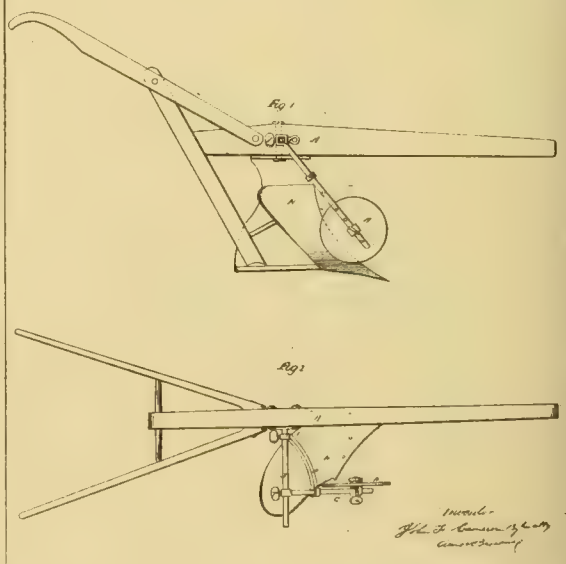
Witnesses
R. S. Spencer
J. W. Coonly

Inventors
W. C. Lostutter
S. Wolcott
per Munn & Co
Attys

J. F. Cameron.

Plow Fender.

No. 105.
31,104 Patented Jan. 15, 1861.

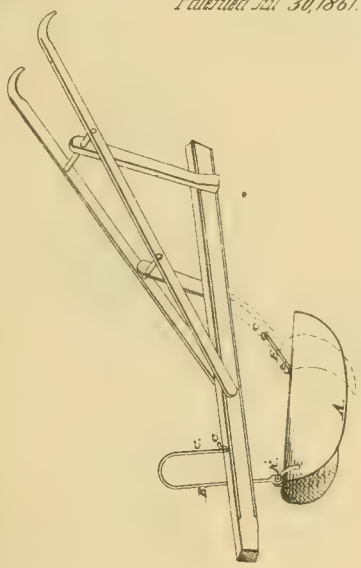


Inventor
John F. Cameron
By their Atty
Geo. H. Dodge

J. Dennent.

No. 1962. 32,966. Cultivator

Patented Jul. 30, 1861.



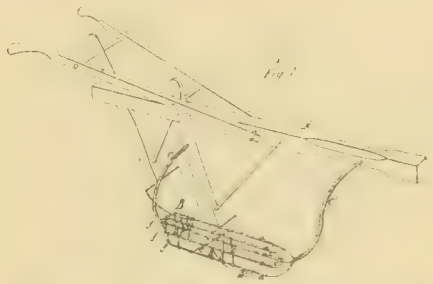
WITNESSES:
Geo. M. Alexander
M. M. Dow

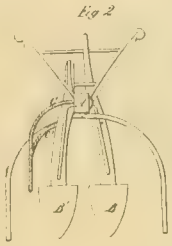
INVENTOR.
John Dennent

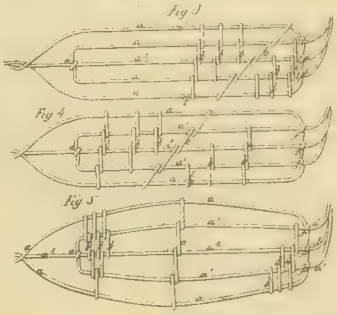
P. Burder

Plow Fender

No. 39,333 Patented Jul. 28, 1863







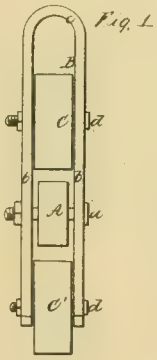
Witnesses,
R. J. Campbell
Chas. F. Brown

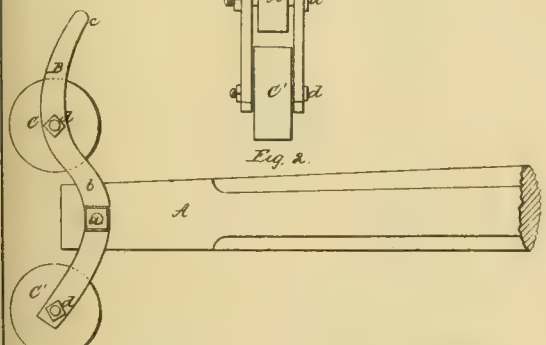
Inventor,
Peter Burder
by
Munn & Co.
Attys.

R. Alden.

Tree Protector.

No. 46,616 Patented Mar. 7, 1865.





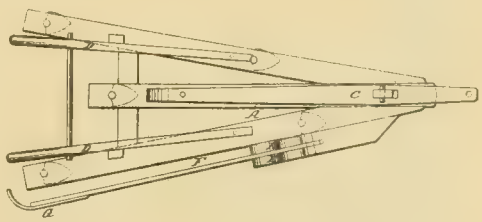
Witnesses,
C. L. Tiffany
Chas. Busch

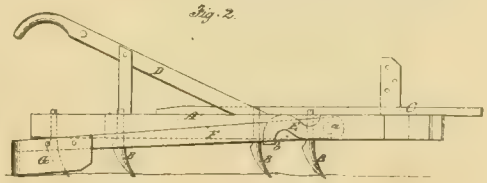
Inventor,
R. Alden
By Munn & Co.
Attys.

T. B. McConaughey.

Cultivator.

No. 57,747. Patented Sep. 4, 1866.





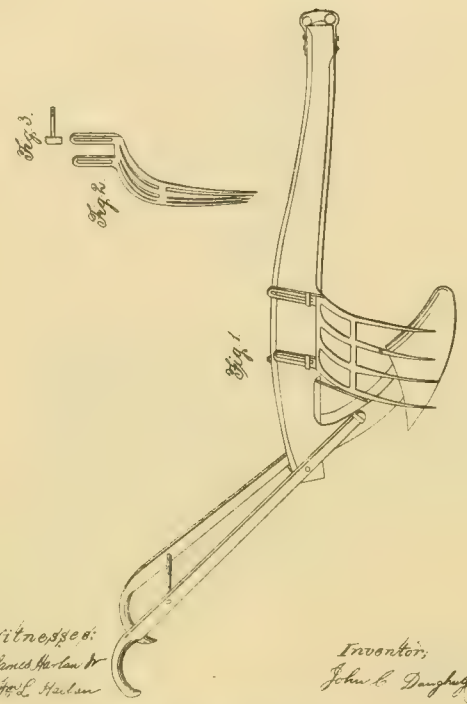
Witnesses
J. W. Bloomington
Wm. Trevin

Inventor.
Thos. B. McConaughey
by
Munn & Co.
Attys.

J. C. DAUGHERTY.

Plow Fender.

No. 59,191. Patented Oct 30, 1866.



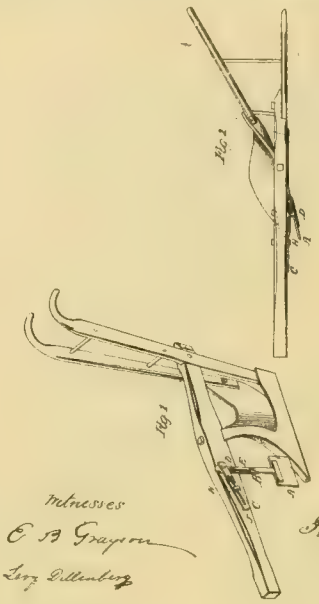
Witnesses:
James Harlan Jr
Geo L. Harlan

Inventor,
John C. Daugherty

J. N. Pond.

Plow Fender.

No 59,515. Patented Nov 6, 1866.



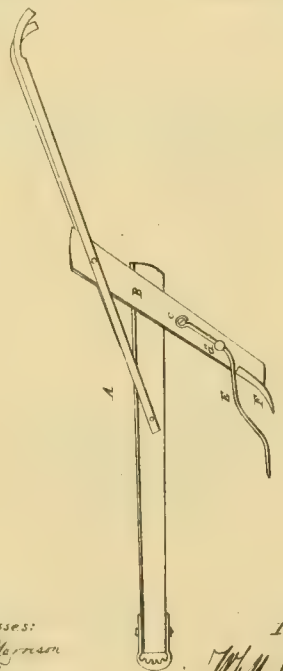
Witnesses
C. B. Grayson
Geo Dillenburg

Inventor
John N. Pond
by his Atty
J Franklin Negley

W. H. M. Batchelder.

Shovel Plow.

No 63,134. Patented Mar. 26, 1867.



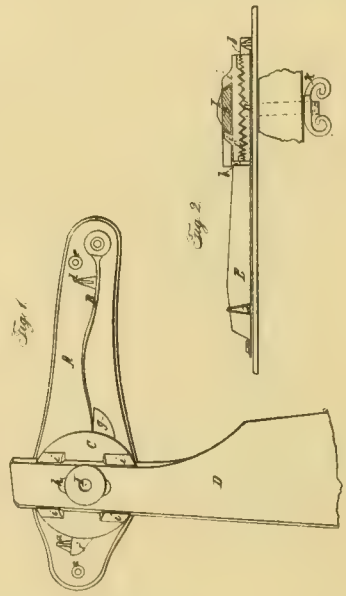
Witnesses:
Frank H. Morrison
Levi Wenger

Inventor.
Wm M Batchelder

R. COOK.

Plow-Fender.

No. 63,140. Patented Mar 26, 1867.



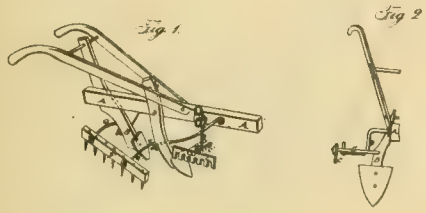
Witnesses.
J. G. Beck
A. L. Beck

Inventor.
Robert Cook
by his Atty
H. F. N. Beck

J. REEDY.

Plow-Fender.

No. 64,707. Patented May 14, 1867.



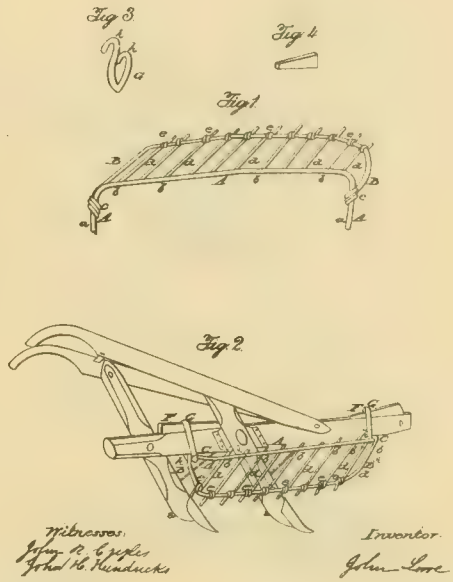
Witnesses:

Inventor:

J. LOWE.

Plow-Fender.

No 69,862 Patented Oct 1, 1867.



Witnesses:

Inventor.

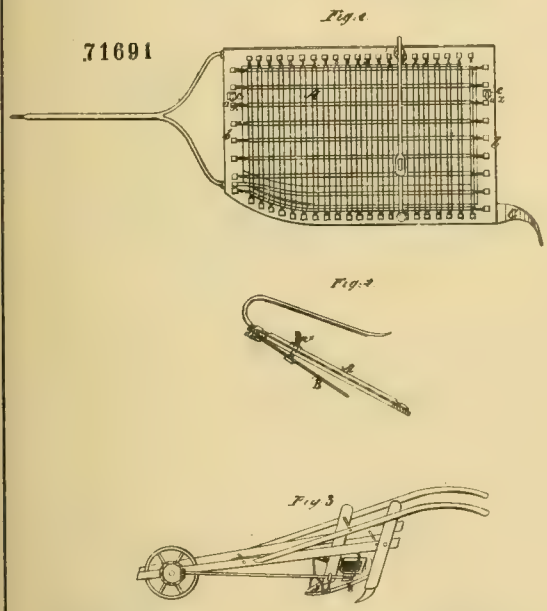
G. Brain

Impd Screen Guard for Cultivator Plows

PATENTED

DEC 3 1867

71691



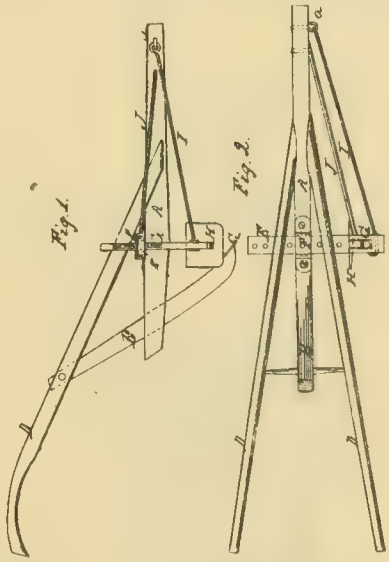
Witnesses

Inventor

W. Bennett.

Attachment for Plow.

No 73158 Patented Jan 7, 1868.



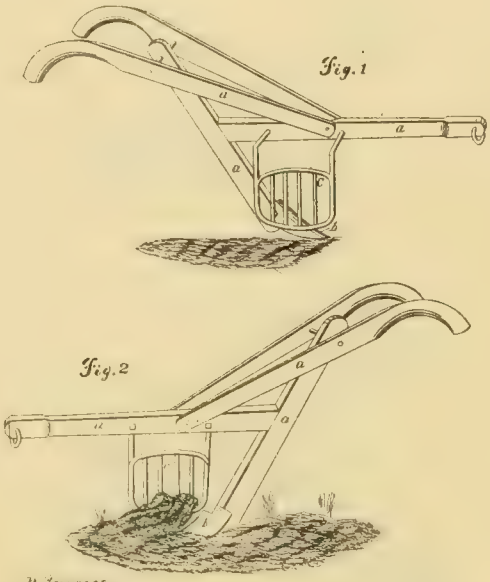
Witnesses.

Inventor.

M. KIRKHAM.

Plow Fender.

No. 78,100. Patented May 19, 1868.

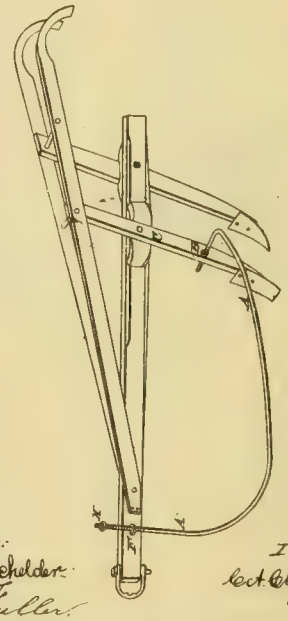


Witnesses
Geo. Stephens
William Seley
Inventor
Michael Kirkham

C. A. COGSWELL.

Cultivator.

No. 78,186. Patented May 26, 1868.

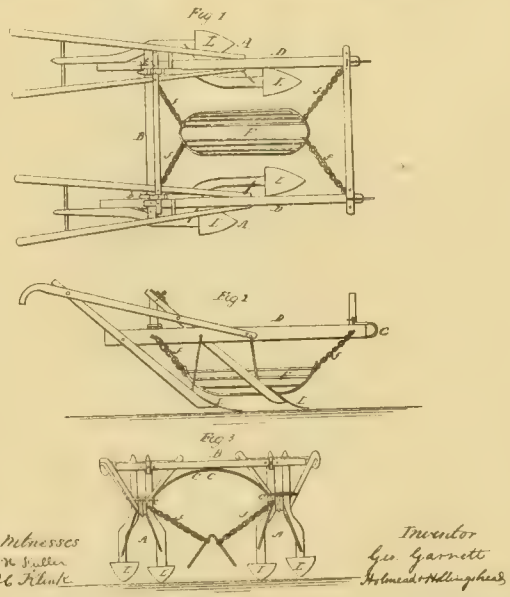


Witnesses:
Jno. E. Bachelder
E. A. Fuller
Inventor:
C. A. Cogswell

G. Garrett

Fender for Cultivators

No. 78,197 Patented Jun. 9, 1868

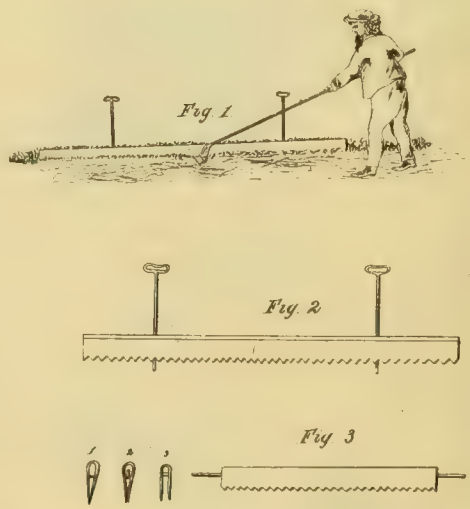


Witnesses
W. H. Miller
A. C. Klunk
Inventor
Geo. Garrett
by Holmes & Hollingshead

A. Kirkpatrick.

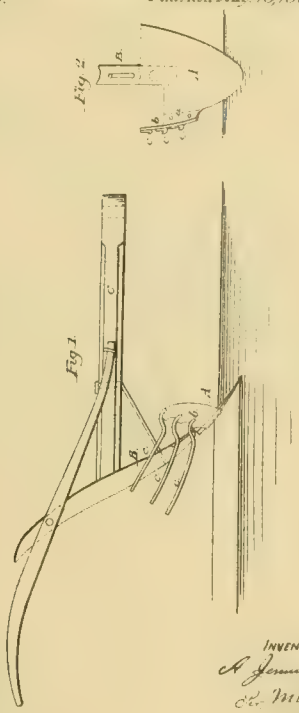
Shielding Plants from Hoes.

No. 79,133. Patented Jun. 23, 1868.



Witnesses
W. M. Gerding
D. Funston
Inventor.
Alex Kirkpatrick

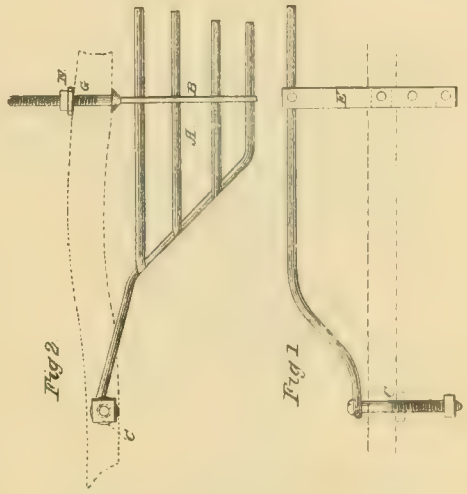
A. Jennings.
Sheet 1 Plow.
No. 81,173. Patented Aug. 18, 1868.



Witnesses:
Wm. A. Morgan
G. L. Collier

Inventor
A. Jennings
C. Mason & Co
Attorneys

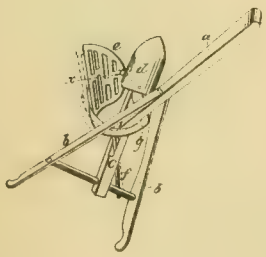
W. CUSTER.
Plow Fender.
No. 83,259. Patented Oct. 20, 1868.



Witnesses
H. Smith
N. P. Aufenne.

Inventor.
William Custer
Chipman, Hosmer & Co
Attys

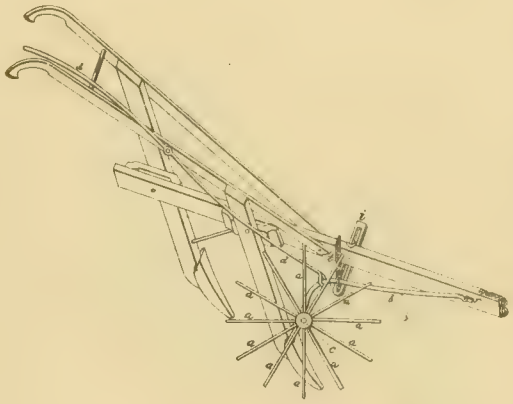
S. J. REED.
Plow Fender.
No. 83,999. Patented Nov. 10, 1868.



Witnesses.
A. S. A. Peck
M. H. Peck.

Inventor.
Samuel J. Reed
by his Attys
H. & S. A. Peck

MILLER & WRIGHT.
Plow Fender.
No. 85,118. Patented Dec. 22, 1868.



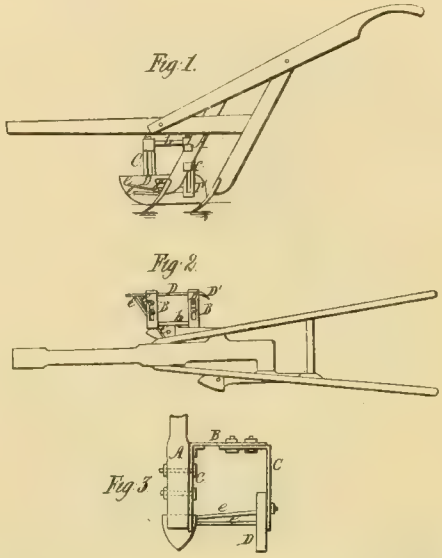
Witnesses:
Artemas Robert
B. S. Boydstun

Inventors:
Samuel J. Miller
Luna Wright
By Joseph Ridge

J. W. Monical,

Plow Attachment.

No. 85,601. Patented Jan. 5. 1869.



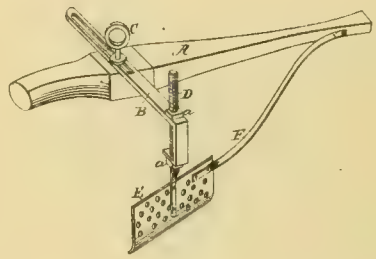
Witnesses:
W. Burris
David A. Burr

Inventor:
James W. Monical
by G. H. Fowler Atty

J. FOX.

Corn Shield.

No. 86,521. Patented Feb. 2, 1869.



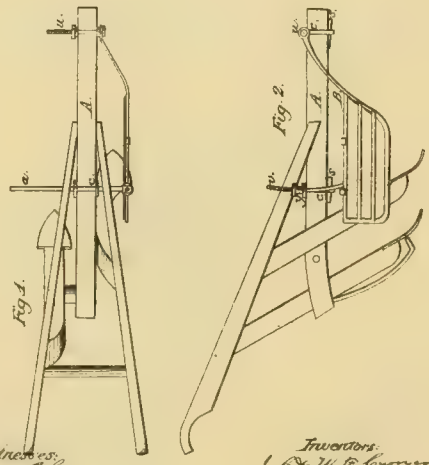
Witnesses.
A. A. Yeatman.
A. M. Marr

Inventor
John Fox
per
Chas.Ander & Mason
Attys

J. G. & W. F. Carryer.

Clod Fender.

No. 89,470. Patented Apr. 29. 1869.



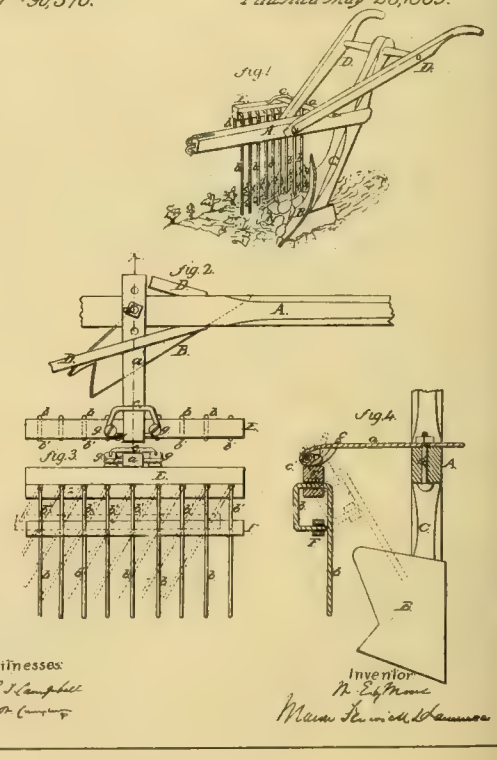
Witnesses:
James P. Greene
Paul J. Weunberger

Inventors:
J. G. & W. F. Carryer
by
Chapman & Hornbrook
Attorneys

W. E. Moore.

Plow Fender.

No. 90,376. Patented May 25, 1869.



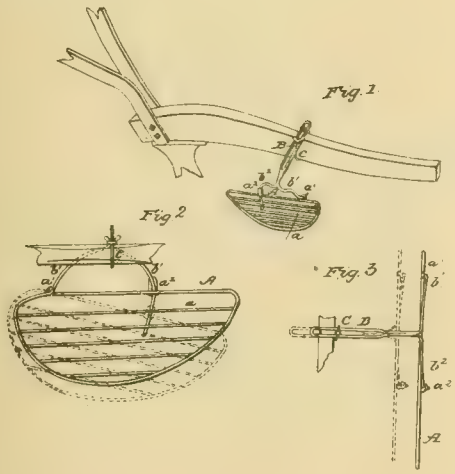
Witnesses:
R. S. Campbell
J. M. Carroll

Inventor
W. E. Moore
Mann & Smith & Hammond

SEEGER, LOVELESS & THROP.

Plow Fender.

No. 91,777. Patented June. 22, 1869.



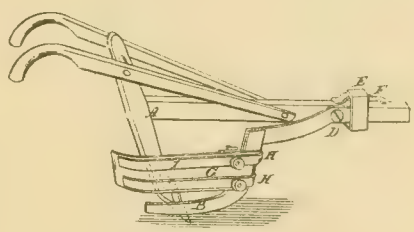
Witnesses
Abdiel Bill
A Rupert

Inventors
Seeger Loveless & Throp
by H. Holloway Atty

R. A. Kelly,

Plow Fender.

No. 92,318. Patented July 6. 1869.



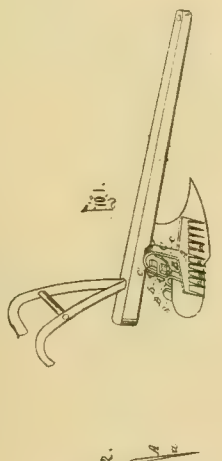
Witnesses.
H. Hinchman
Jno. T. Brooks

Inventor
R. A. Kelly
per Munn & Co
Attorneys.

J. Hearn,

Plow Fender.

No. 92,772. Patented July 20. 1869.



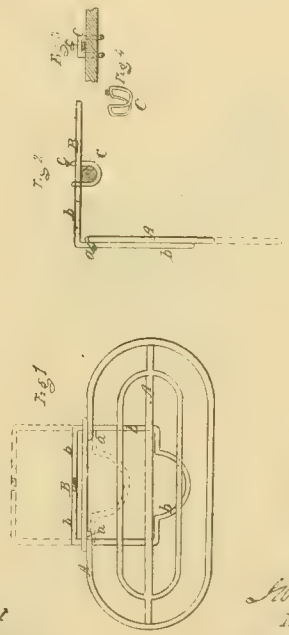
Witnesses:
A. A. Petit
A. McPamer

Inventor
J. Hearn
by Munn & Co
Attorneys

J. W. Loveless.

Plow Fender.

No. 92,852. Patented July 20 1869.



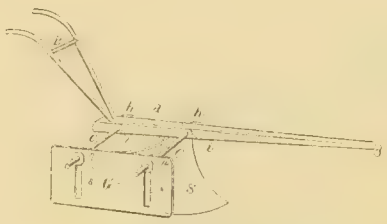
Attest
C. Sylvester
Abdiel Bill

J. W. Loveless
Inventor
by Abdiel Bill
his Atty

H. B. Sledder.

Plow Gage.

No. 93,362. Patented Aug. 3. 1869.



Witnesses.
A. C. Bradley
A. T. Junston

Hugh B. Sledder
By his Attorney
Chas. F. Pansbury

G. Jennings.

Plow Fender.

No. 93,997 Patented Aug. 24. 1869.

Fig. 1

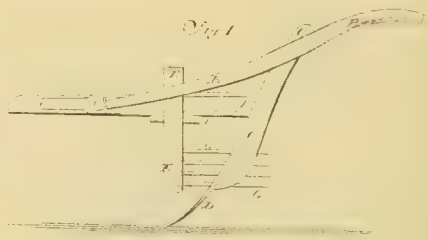
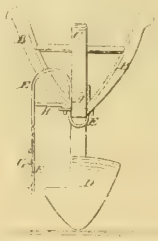


Fig. 2



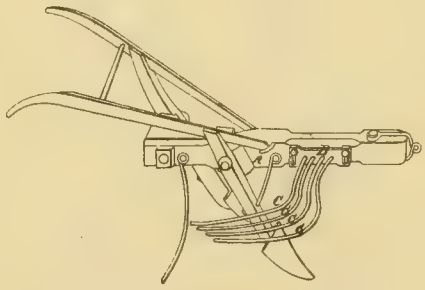
Witnesses:
Geo. W. Babcock
Frank L. Brooks

Inventor:
Gregory Jennings
Per
Attorneys.

D. Applegate.

Clod Fender

No. 94,268. Patented Aug. 31, 1869.



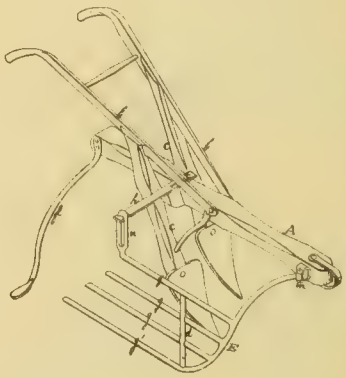
Witnesses
A. A. Upshur
J. A. Lehmann

Inventor
D. Applegate
per
Chas. F. Pratt
Attorney

J. C. Bell,

Plow-Fender.

No. 94,383. Patented Aug. 31. 1869.



Witnesses
H. Bell
H. C. Miller

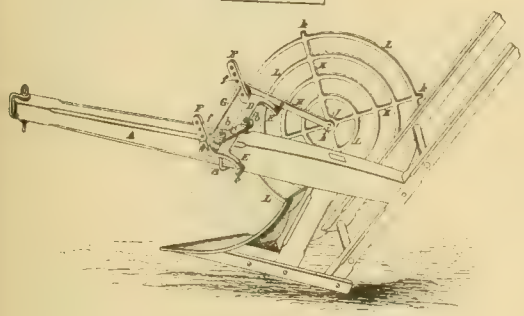
Inventor
J. C. Bell
by H. Alexander, Atty.

J. F. WOOLLEY.

№ 94684

Rotary Clod Fender.

PATENTED
SEP 7 1869



J. F. Woolley
INVENTOR.
By his Att'y Knight Bros.

ATTEST
[illegible]

J. H. Sinclair,

Flow Fender.

No. 94,784. Patented Sept. 14, 1869.

Fig. 1

Fig. 2.

C. M. Sappenfield
Wm. W. Lyman
Witnesses

Lewis H. Sinclair
Inventor

L. M. DODDRIDGE.

Clod Fender.

No. 94,875. Patented Sept. 14, 1869.

Fig. 1.

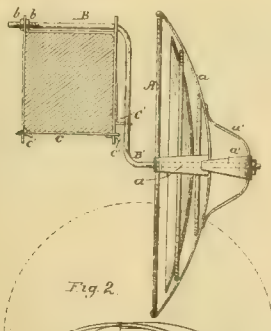
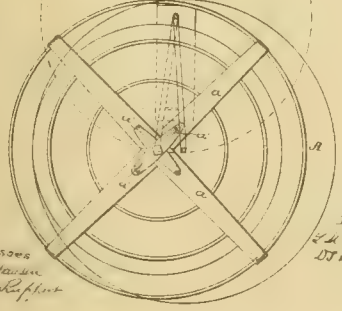


Fig. 2.



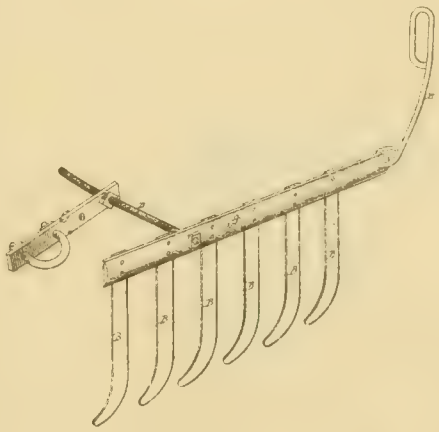
Witnesses
[illegible]

Inventor
L. M. Doddridge
By Wilson & Co
Attys.

D. T. & E. C. Brown,

Flow Shield.

No. 95,019. Patented Sept. 21, 1869.



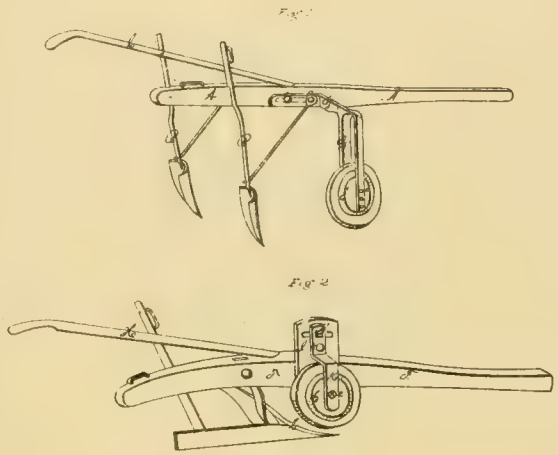
[illegible]
[illegible]

David T. Brown
Elisha C. Brown
Inventors
Attorney [illegible]

A. B. THORNTON.

Corn-Plow Fender.

No. 95,287. Patented Sept. 28, 1869.



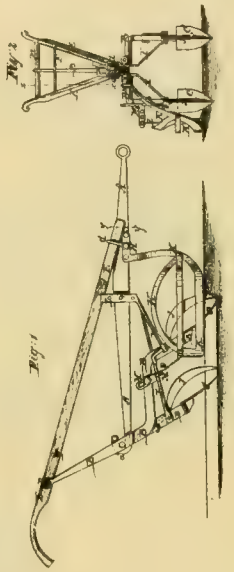
Witnesses.
Chas. F. Ware
J. T. Jones

Inventor.
A. B. Thornton
by Pinkh & Son
Atty.

C. I. Voigt,

Flow Fender.

No. 95,511. Patented Oct. 5, 1869.



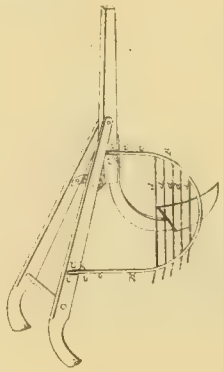
Witnesses:
Alex. F. Roberts
Chas. Hoffman

Inventor:
C. I. Voigt
per Munn & Co.
Attorneys.

F. M. Gardner.

Clod Fender.

No. 95,010. Patented Oct. 12, 1869.



Witnesses.
John A. Lowe
Geo. Reed

Inventor.
Thomas H. Gardner

J. & J. M. Higgins,

Clod Fender.

No. 96,534. Patented Oct. 26, 1869.

Fig. 1.

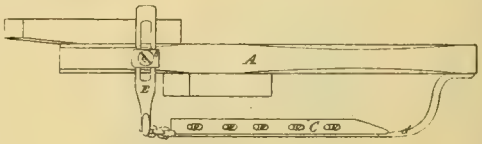
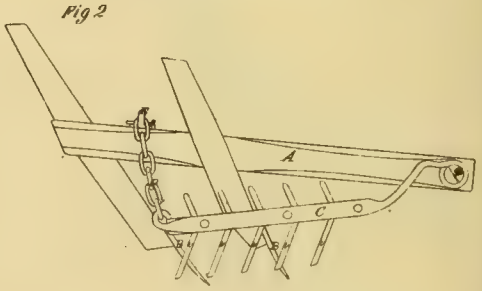


Fig. 2



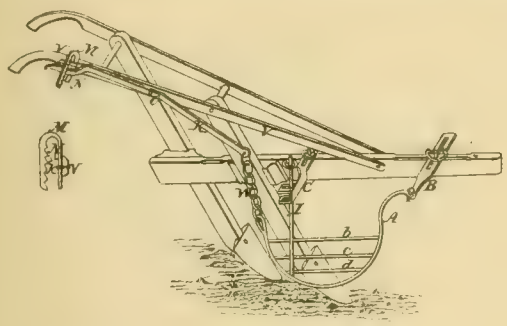
Witnesses
E. H. Anderson
D. D. Kane

Inventors
Jas. Higgins,
John M. Higgins,
Chapman Homes & Co.
Attorneys.

L. C. Witt & W. F. Jones.

Fender for Corn Plows.

No. 96293. Patented Oct. 26. 1869.



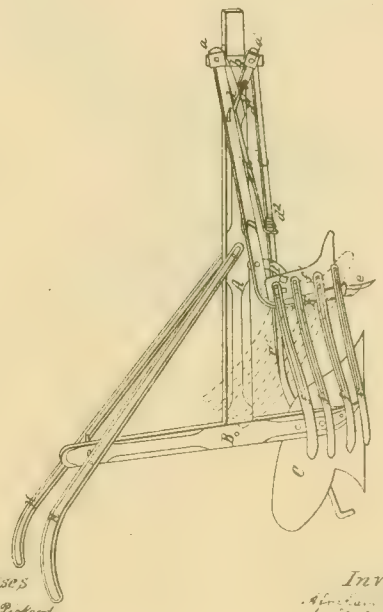
Witnesses;
J. N. Haynes
Sam'l D. Estell

Inventor;
Lewis C. Witt
W. F. Jones
Per A. Robertson Atty

A. B. King.

Cultivator

No. 97,201. Patented Nov. 23, 1869.



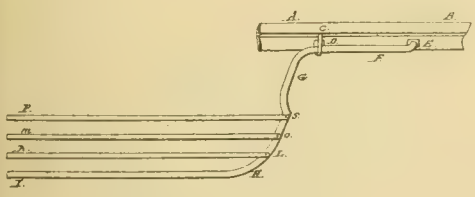
Witnesses
Horace Pickford
Chas. H. Brown

Inventor
Abraham B. King
by W. H. Beadle Atty

T. N. & J. D. Lowder.

Clod Fender.

No. 97,785. Patented Dec. 14. 1869.



Witnesses:
Charles Werbe
Anson T. Adams

Inventors:
Francis M. Lowden
John D. Lowden

Zeath & Hutchinson.

Clod Fender.

No. 98,041. Patented Dec. 21. 1869.

Fig. 1.

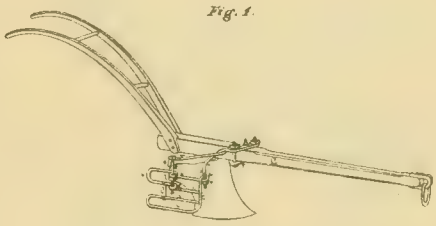


Fig. 2.

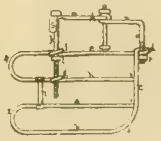
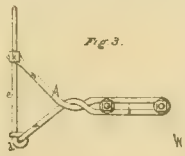


Fig. 3.



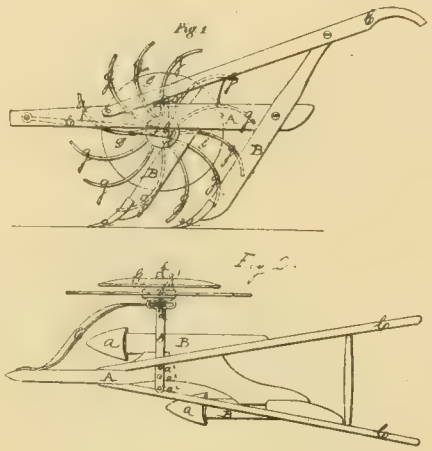
Witnesses
Chas. Hardaway

W. L. Stewart
& S. Rudisill
Inventors
By David A. Burr Atty.

J. W. Tull

Clod Fender.

No. 98,128. Patented Dec. 21. 1869.



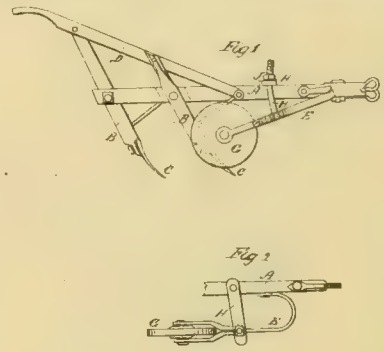
Witnesses
John A. Ellis
H. Morris

Inventor
John W. Tull
Per
J. H. Alexander
Atty.

Moore & Reid.

Plow Fender.

No. 98,989. Patented Jan. 18, 1870



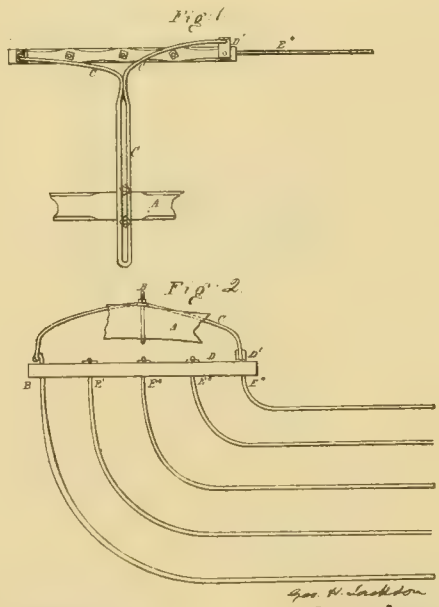
Witnesses
Henry King
C. L. Everts

Inventor
Daniel Q. Moore
Frank Reid
per Alexander & Mason
Attys.

G. H. Jackson,

Clod Fender.

No. 99,905. Patented Feb. 15. 1870.



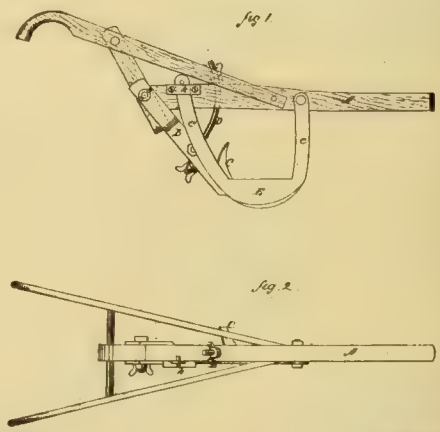
Witnesses
J. Blauvelt
O. Rippel.

Geo. H. Jackson
Inventor.
D. P. Holloway & Co.
Attys.

M. Rigell,

Plow Fender.

No. 100,325. Patented Mar. 1. 1870.



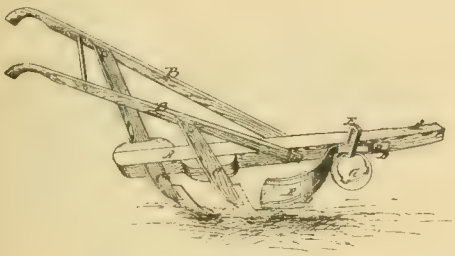
Witnesses:
Nich. Hagemann
Salem C. Rum

Inventor:
M. Rigell.
Munn & Co.

J. Cluckner,

Cultivator.

No. 100,984. Patented Mar. 22. 1870.



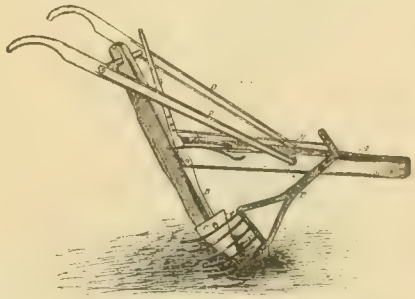
Witnesses:
Alex. T. Roberts
Wm. H. Hogan

Inventor:
J. Cluckner
For Munn & Co.

E. F. Neeley,

Plow Fender.

No. 102,959. Patented May 10. 1870.



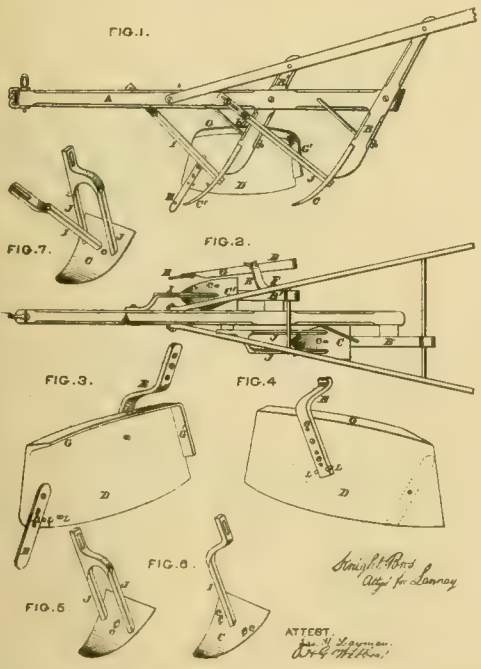
Witnesses
Edward Bils
A. Rippert

E. F. Neeley
Inventor
D. P. Holloway & Co.
Attys

L. Launay,

Clod Fender.

No. 102,303. Patented May 17. 1870.



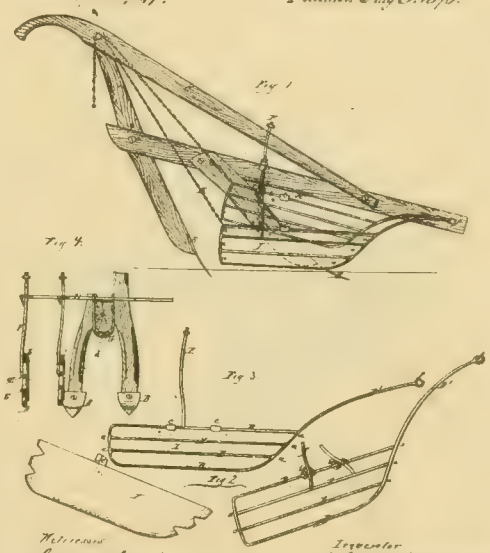
Knight & Rand
Attys for Launay

ATTEST:
Jas. H. Layman.
D. G. Mitchell

J. C. & W. F. Carriger,

Plow Fender.

No. 105,017. Patented July 5. 1870.



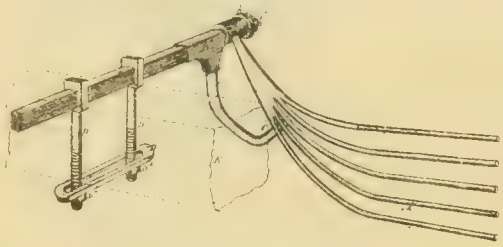
Witnesses
Samuel Smith
H. H. Johnston

Inventors
J. C. & W. F. Carriger
by Chas. A. & Klauckke
Attorneys

W. F. Kidder,

Flow Fender.

No. 106,064. Patented Aug. 2, 1870.



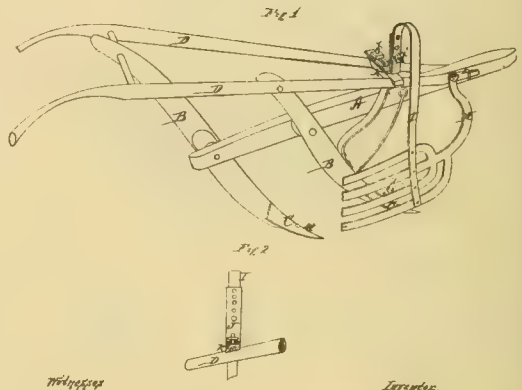
Witnesses
C. F. Brown
A. Bolcofsky

Wm. R. Kidder
Inventor
S. P. Holloway & Co
Attys

R. Harpster,

Clod Fender.

No. 109,511. Patented Nov. 22, 1870.



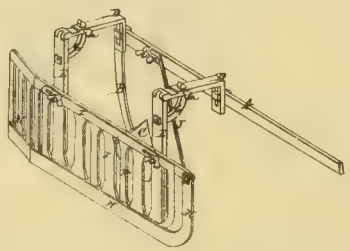
Witnesses
Harry King
C. L. Ewert

Inventor
Reuben Harpster
per
Alexander Mason
attys.

R. T. Gillespie,

Clod Fender.

No. 111,631. Patented Feb. 7, 1871.



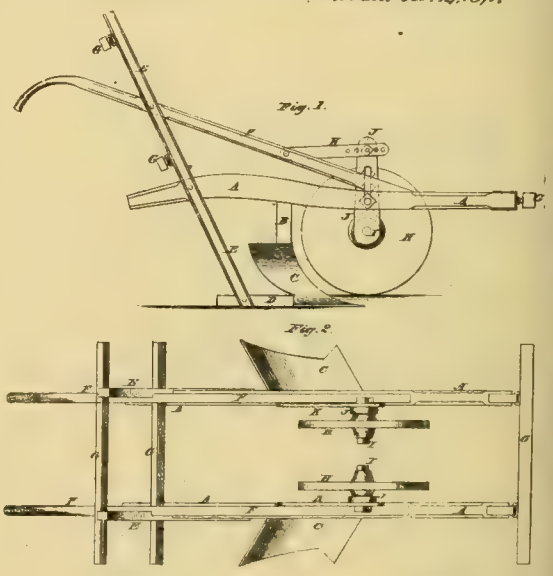
Witnesses
C. L. Ewert
J. F. Wilkinson

Inventor
Robert T. Gillespie
per
Alexander Mason
attys.

A. B. Thornton,

Flow Fender.

No. 111,790. Patented Feb. 14, 1871.



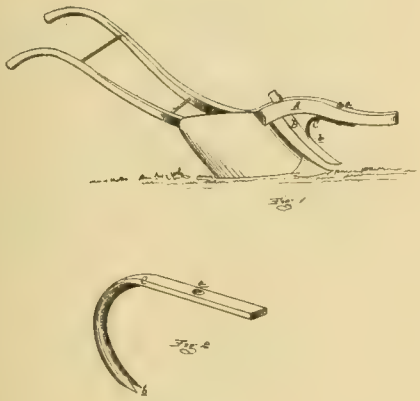
Witnesses:
George Chetwood
L. S. Mabie

Inventor:
A. B. Thornton.
per
Munn & Co
Attorneys.

J. Kinney,

Plow Tender.

No. 112,152. Patented Feb. 28. 1871.



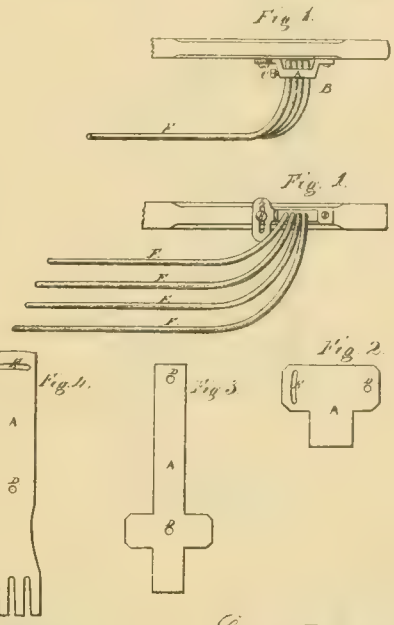
Witnesses
Martin Stewart
Frederick Ebert

Inventor
J. Kinney
per Wm. Wing
Atty

F. L. Bailey,

Clod Fender

No. 112,105. Patented Nov. 7 1871.



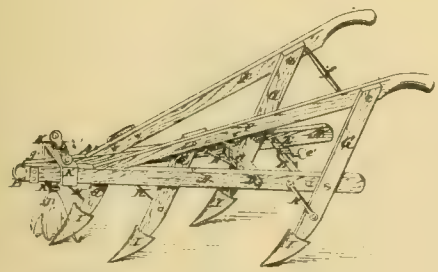
Witnesses
Geo F. Ward
O. F. Mayhew

Fortune L. Bailey Inventor

I. N. PYLE.

Improvement in Cultivators.

No. 114,040. Patented April 25, 1871.

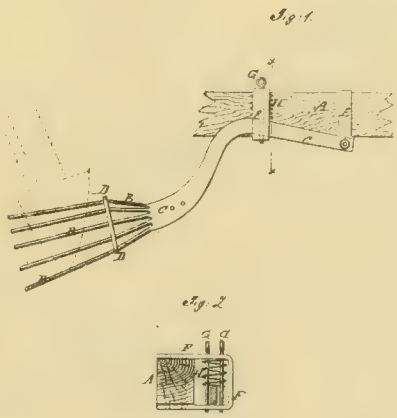


Witnesses:
C. Hartley
L. S. McCabe

Inventor:
I. N. Pyle
Per Munn & Co
Attorneys.

B. F. Neely's Tender for Plows.

117317 Patented Jul 25 1871



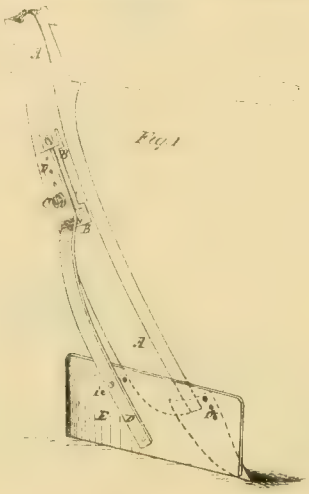
Witnesses:
Chas Nida
Wm. H. G. Smith

Inventor:
B. F. Neely
Per Munn & Co
Attorneys.

GEORGE L. PERRY.

Improvement in Clod Fenders.

No. 118,267 Patented Aug. 22, 1871.



Witnesses:

John Becker
Thomas M. Stedle

Inventor:

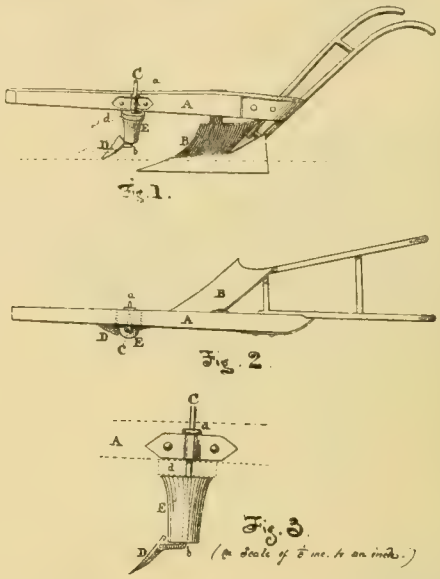
George L. Perry

Per Munn & Co.
Attorneys.

A. P. WEBBER.

Plow Fender.

No. 122,087 Patented Dec. 19, 1871.



Witnesses:

Henry W. Miles.
John E. Jones.

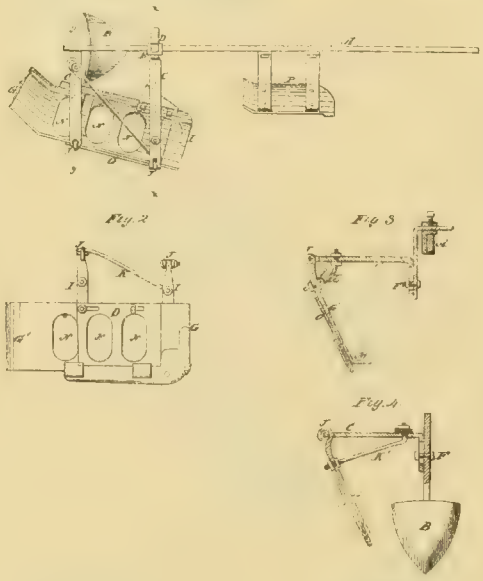
Inventor:

Alanson P. Webber
by Edmund Thacher
his Atty. in Fact.

ROBERT T. GILLESPIE.

Improvement in Clod Fender.

No. 125,732. Patented April 16, 1872.



Witnesses:

E. Hopp
Geo. H. Graham

Inventor:

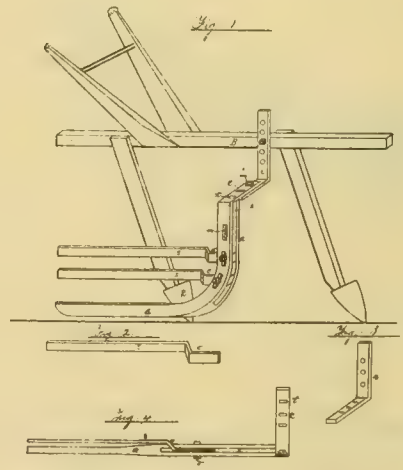
R. T. Gillespie

Per Munn & Co.
Attorneys.

A. L. DIRST.

Clod-Fenders.

No. 135,896. Patented Feb. 18, 1873.



Witnesses

Jno. E. Hutchins
H. Howe

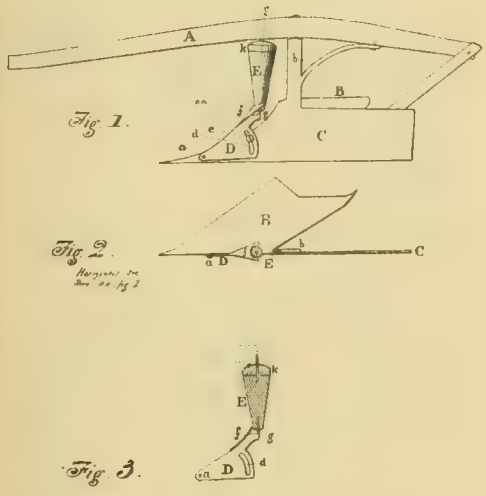
Inventor

Albert L. Dirst

G. B. VAUGHAN.

Plows.

No. 151,732. Patented June 9, 1874



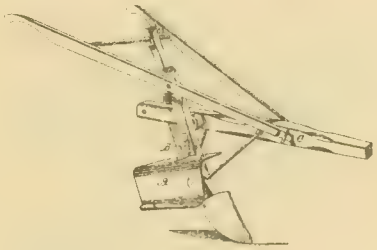
Witnesses

Inventor.

O. W. HOYT.

Fender.

No. 168,999. Patented Oct. 19, 1875



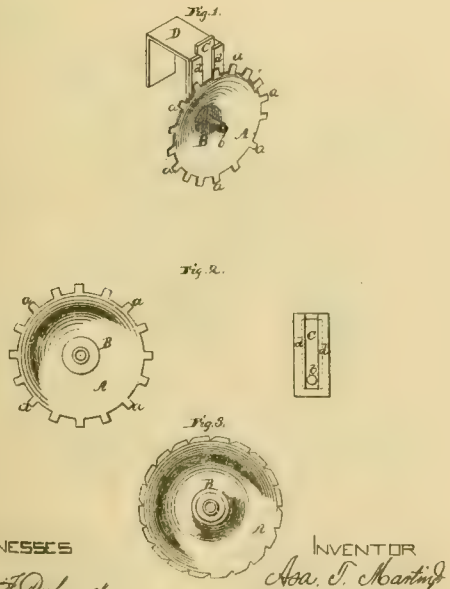
ATTEST:

INVENTOR:

A. T. MARTIN, Jr.

PLOW SHIELD AND CLEANER.

No. 179,122. Patented June 27, 1876.



WITNESSES

INVENTOR

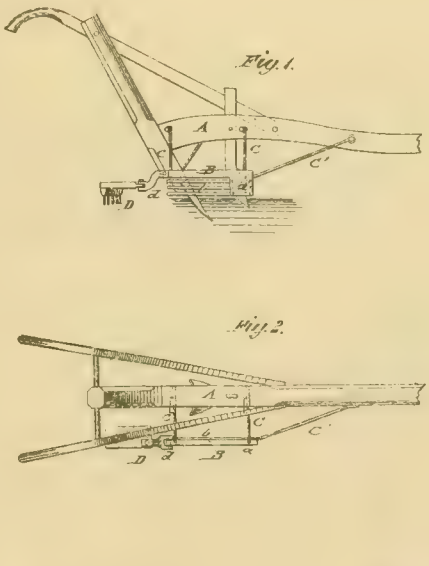
PER

ATTORNEY

A. C. McBRARY

PLOW-FENDERS.

No. 183,952. Patented Oct. 31, 1876.



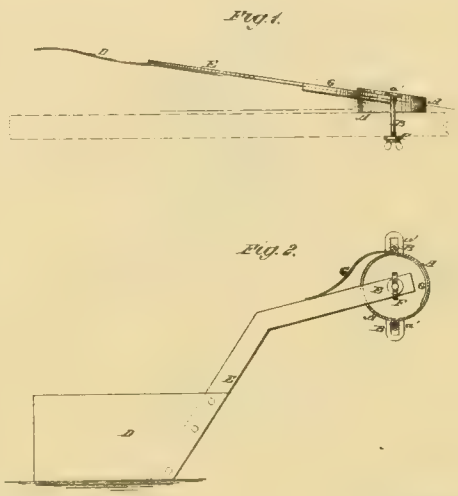
WITNESSES:

INVENTOR:

BY

ATTORNEYS.

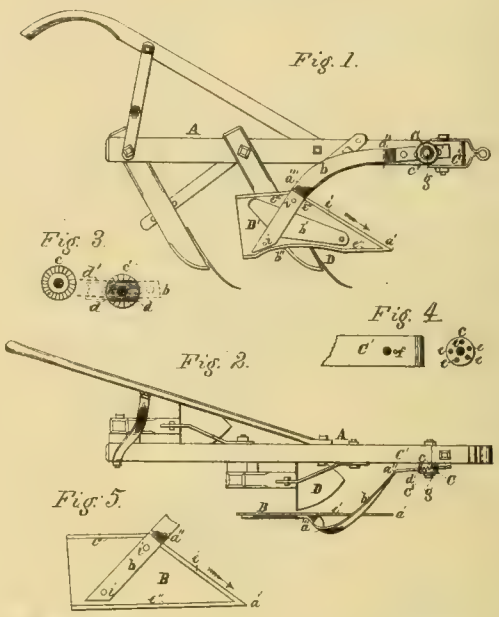
E. B. MURPHY & C. D. BRAMELL.
CORN-GUARDS FOR PLOWS.
No. 189,128. Patented April 3, 1877.



WITNESSES:
Thomas McArdle
J. H. Scarborough

INVENTORS
E. B. Murphy
C. D. Bramell
BY
Munn & Co
ATTORNEYS.

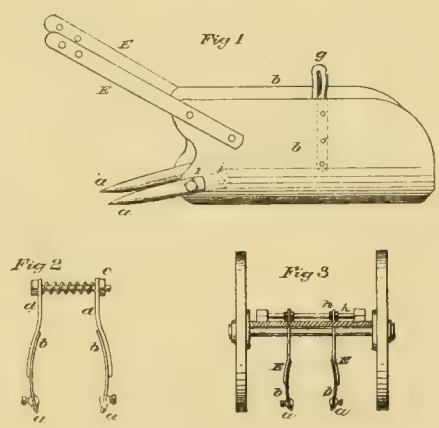
J. B. RUBSAM.
PLOW-FENDERS.
No. 194,374. Patented Aug. 21, 1877.



Witnesses
H. H. Lowerby
M. M. Comass

Inventor
Jacob B. Rubsam
B. Coonover
Attorney

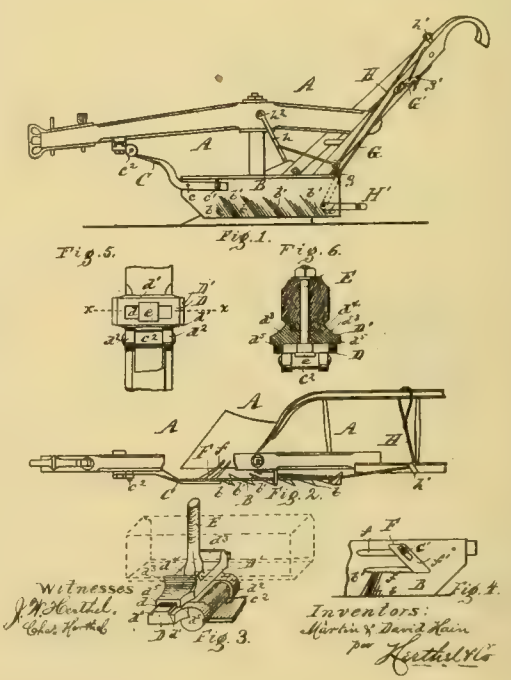
R. AUSTIN & W. H. GARDINER.
Fender.
No. 205,463. Patented July 2, 1878.



Witnesses:
H. G. Gardiner
David W. Stacy

Inventor:
William H. Gardiner
Rufus Austin
by J. D. Staples
atty

M. & D. HAIN.
Plow Attachment.
No. 209,885. Patented Nov. 12, 1878.

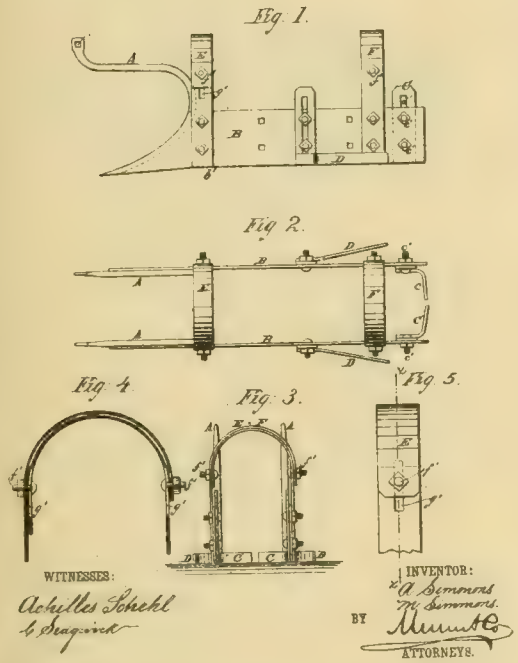


Witnesses
J. W. Heuthel
Chas. Heuthel

Inventors:
Martin & David Hain
per Heuthel & Co

A. & M. SIMMONS.
Cultivator-Fender.

No. 213,948. Patented April 1, 1879.

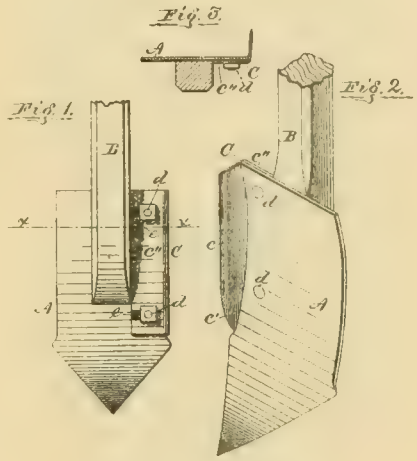


WITNESSES:
Achilles Schehl
L. Stragand

INVENTOR:
A. Simmons
M. Simmons
BY Munn & Co.
ATTORNEYS.

F. B. KENDALL.
Cultivator.

No. 214,825. Patented April 29, 1879.

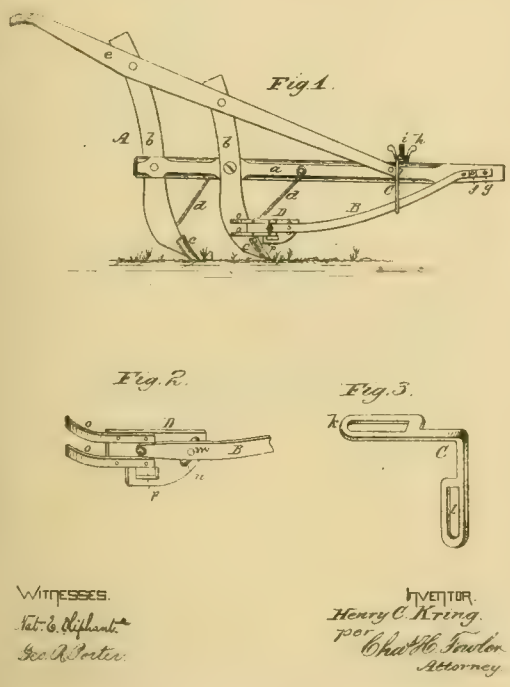


Witnesses:
M. H. Barnum
P. R. Richards

Inventor:
Francis B. Kendall
by W. B. Richards
Atty.

H. C. KRING.
Fender.

No. 219,163. Patented Sept. 2, 1879.

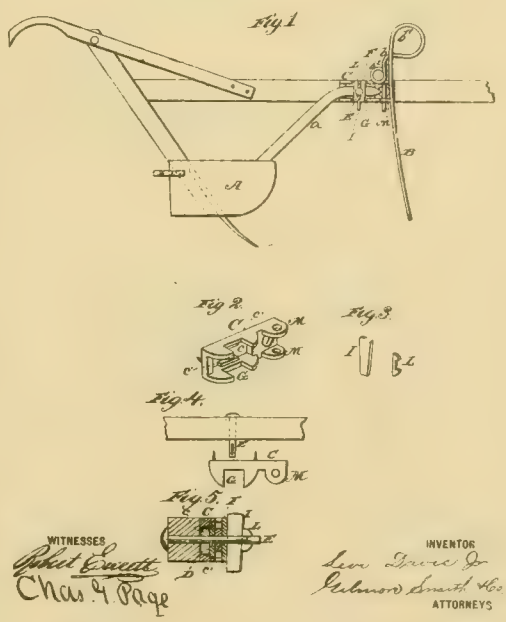


WITNESSES.
Nat. G. Alphand
Geo. R. Porter.

INVENTOR.
Henry C. Kring.
per Chas. H. Taylor
Attorney

L. DAVIS, Jr.
Fender for Cultivator.

No. 226,501. Patented April 13, 1880.

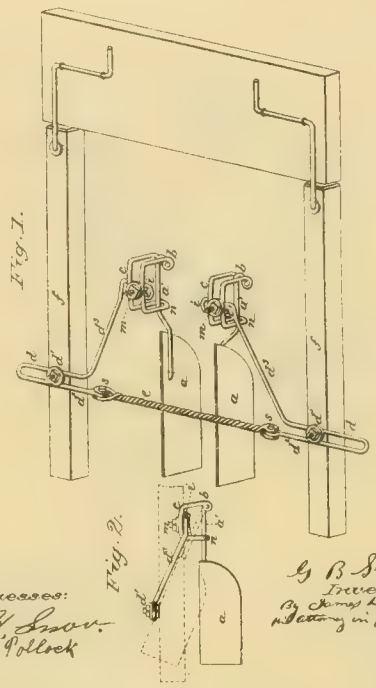


WITNESSES
Robert Everett
Chas. G. Page

INVENTOR
Lev. Davis Jr.
Gilmore Smith & Co.
ATTORNEYS

G. B. SNOW.
Shield or Fender for Corn Cultivators.

No. 227,134. Patented May 4, 1880.



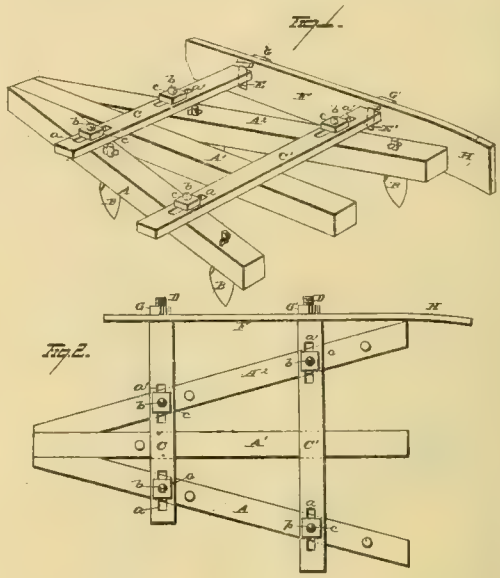
Witnesses:
W. H. Snow.
F. D. Pollock

G. B. Snow
Inventor
By James D. Fort
his Attorney in fact

(No Model.)

J. T. DOUGLASS.
Cultivator Guard.

No. 235,140. Patented Dec. 7, 1880.



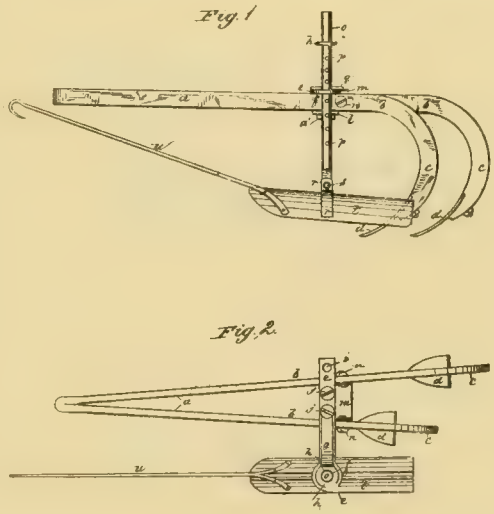
WITNESSES
E. Ortlinghaus
A. M. Bright

INVENTOR
John T. Douglass.
By Siggers & Siggers
ATTORNEYS.

(No Model.)

I. S. BATES.
FENDER ATTACHMENT TO CULTIVATORS.

No. 248,129. Patented Oct. 11, 1881.



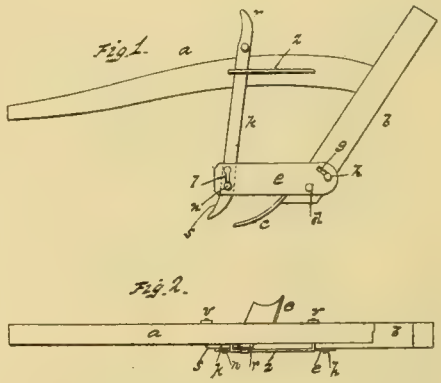
WITNESSES:
W. W. Hollingsworth
W. Read

INVENTOR:
I. S. Bates
BY Munn & Co.
ATTORNEYS.

(No Model.)

H. P. MEGGS.
COTTON SCRAPER.

No. 248,774. Patented Oct. 25, 1881.



WITNESSES
E. F. Batte
Philip Lellmann

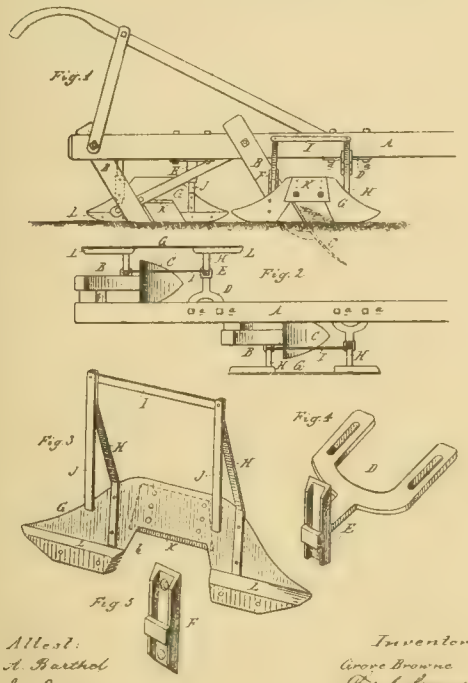
INVENTOR
H. P. Meggs.
by Anderson & Smith
his ATTORNEYS

(No Model.)

G. BROWNE.

PLOW ATTACHMENT.

No. 249,740. Patented Nov. 22, 1881.



Attest:
A. Barthol
E. Scully.

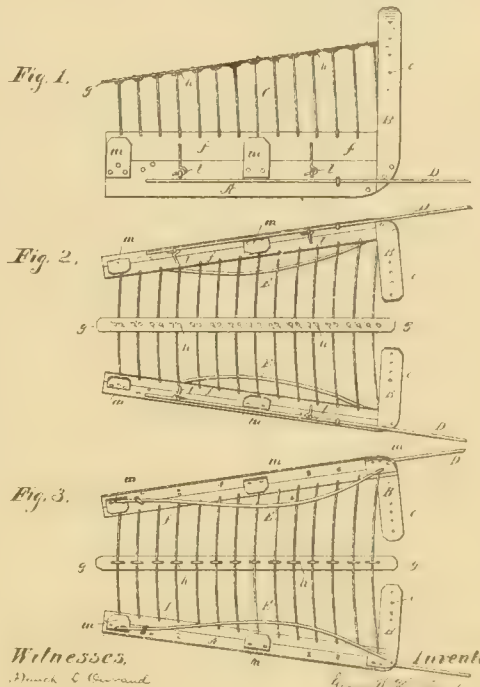
Inventor:
Grove Browne
by Phil. S. Spencer
Atty

(Model.)

G. W. HAVILAND.

CULTIVATOR FENDER.

No. 250,527. Patented Dec. 6, 1881.



Witnesses,
Munch C. Barnard
John R. Young.

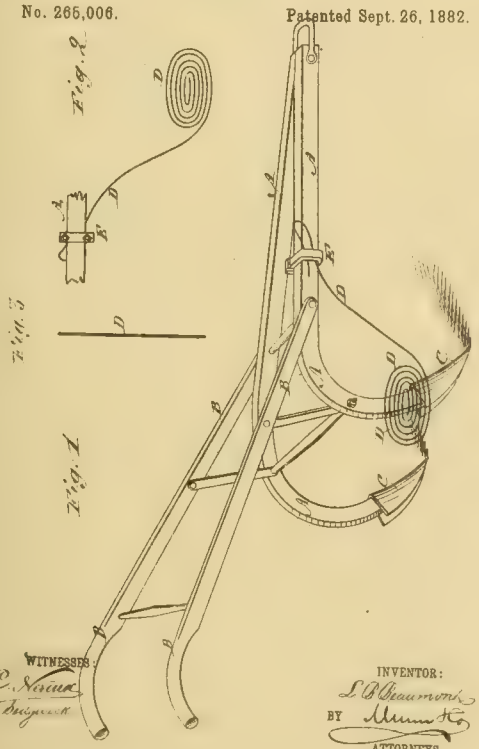
Inventor
George W. Haviland
by W. H. Greene
Atty.

(No Model.)

L. B. BEAUMONT.

FENDER.

No. 265,006. Patented Sept. 26, 1882.



WITNESSES:
C. Navieux
A. Bugnet

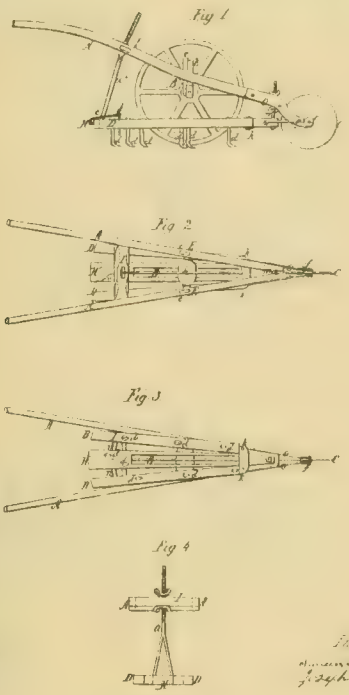
INVENTOR:
L. B. Beaumont
BY Munn & Co.
ATTORNEYS.

	Plate	Claim
Adams, W.	370	227
Adams, A. B.	373	228
Alling, P.	379	230
Armstrong, J.	378	230
Arnold, A. C.	373	228
Baldwin, P. O	385	232
Beach, L. L.	383	231
Beal, T.	374	229
Beecroft, N. D.	388	233
Blake, W.	400	238
Blanchard, E.	389	233
Blum, R.	375	229
Bussell, E. T.	386	232
Byrns, P.	381	231
Carstens, N. and C.	378	230
Chapman, J. H.	380	230
Chase, N. B. and Saunders, C. W.	370	227
Christy, J.	393	234
Clark, E.	383	231
Clark, W. O.	393	234
Clinger, P. S.	371	227
Cole, G. W.	381	231
Colvin, B.	400	238
Comstock, W. G. (H.)	380	230
Cane, M. D. and Douglass, A. N.	375	229
Conrad, S. A.	360	233
Coston, J.	384	232
Crawford, J. M.	374	228
Crofut, C.	373	228
Crofut, C.	393	234
Culver, J. M.	380	230
Dawdy, L. J.	388	233
Dowler, J. W.	396	235
Dugdale, J. K.	372	228
Dugdale, J. K.	395	235
Duvall, L.	384	232
Eddy, H. D.	399	237
Emerson, C. W.	371	227
Fey, C.	399	237
Finson, C. H.	395	235
Fitts, R. B. and Thackara, J. W.	372	228
Fitzhugh, B G.	385	232
Falsom, S. H.	388	233
French, W. and Prentice, J. W.	392	234
Fuller, M. H.	401	238
Ganse, H. D.	370	227
Goodwin, W. C.	377	229
Goodwin, W.	386	232
Gowen, W.	382	231
Graham, E. M.	389	233
Guyer, J.	371	227
Hall, J. A.	375	229
Hall, J.	391	234
Halsted, J. D. and A. M.	372	228
Harris, C. A.	376	229
Hawley, E. E.	369	227
Haynsworth, H.	383	231
Hess, G. H.	377	229
Jarvis, C.	373	228
Johnson, C. H.	381	231
Johnson, M.	395	235
Johnson, M.	397	236
Johnson, M.	397	236
Johnson, M.	398	236
Jones, W. G.	386	232
Jordon, D. C.	371	227
Joynes, R. F.	372	227
Keefer, F.	375	229
Kelly, W. C.	401	238
Kelly, W. W.	400	238
Kingsland, G.	398	237
Lees, J. A.	398	236
Lindley, N. H.	379	230
Lindley, N. H.	383	232
Lucas, J. S.	396	235
McCulloch, J. L.	394	235
Mack, D.	389	233
Marsh, W.	390	234
Marshall, S. M. and Coburn, J. W.	369	227
Matthews, E. G.	381	231
Mays, W. L. and Tigrett A. B.	395	235
Mosher, W. H.	394	235
O'Callahan, J. D.	382	231
O'Callahan, J. D.	396	235
Pagett, W. F. and Gard, S. H.	382	231
Parker, C. A. and G. R.	392	234
Perkins, C. D.	387	233
Petticrew, D,	377	229
Pierpont, J. Tuttle, S. S. and Thomkins, C. B.	394	235
Polen, C. W.	399	237
Reed, J. E.	385	232
Reed, S.	392	234
Reynolds, E. D. and O. B.	377	230
Robinson, J. A.	369	227
Ross, A. W.	390	233
Roys, J. S.	390	234
Rue, N.	384	232
Rue, G. W.	388	223
Ruggles, C. F.	384	232
Ruhlmann, E.	398	236
Ruhlmann, E.	399	237
Rust, R.	389	233
Sanford, J. W.	376	229
Scott, R.	382	231
Sherwood, A. H.	386	232
Sherwood, H. B.	400	237
Skelton, W. M.	391	234
Smith, J. B.	369	227
Smith, G.	374	228
Smith, G. W.	376	229
Smith, W. D.	385	232
Smoot, T. E.	397	236
Spratt, W. S.	380	230
Taylor, B.	378	230
Thompson, M. Y.	393	235
Tietjens, H. H.	376	229
Treffitz, L. and Slimpert G. H.	379	230
Trigalet, F.	387	233
Vampill, R.	396	235
Von Achen, J.	374	228
Vosburg, H.	391	334
Warbasse, E. H.	391	234
Warren, A.	370	227
Winecoff, J.	379	230
Winton, W. B.	378	230

Marshall & Osborn.

Cultivator.

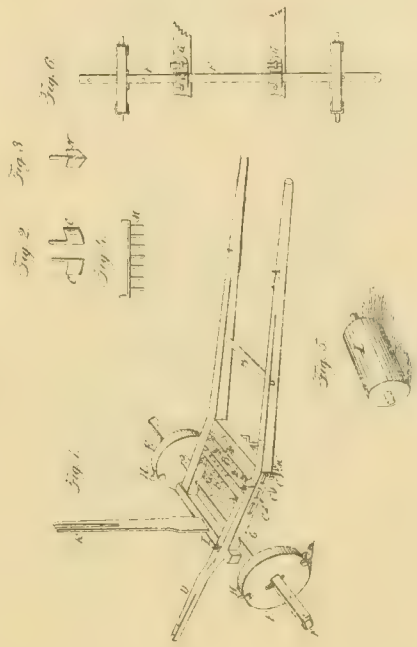
No. 955. Patented Oct. 5, 1839.



J. B. SMITH.

Hand Plow.

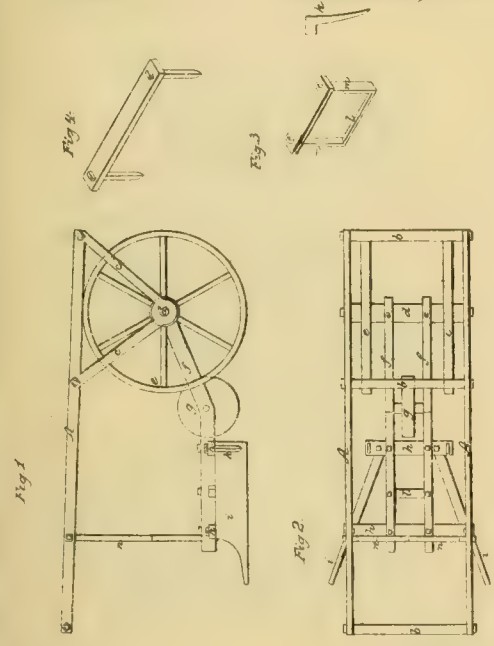
No. 1,117. Patented Apr. 10, 1839.



E. E. Hawley.

Hand Plow.

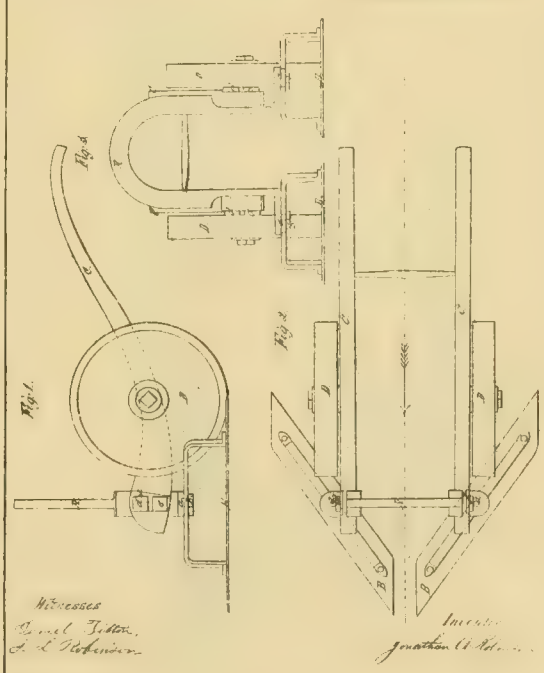
No. 5,966. Patented Oct. 5, 1848.



J. A. Robinson.

Hand Plow.

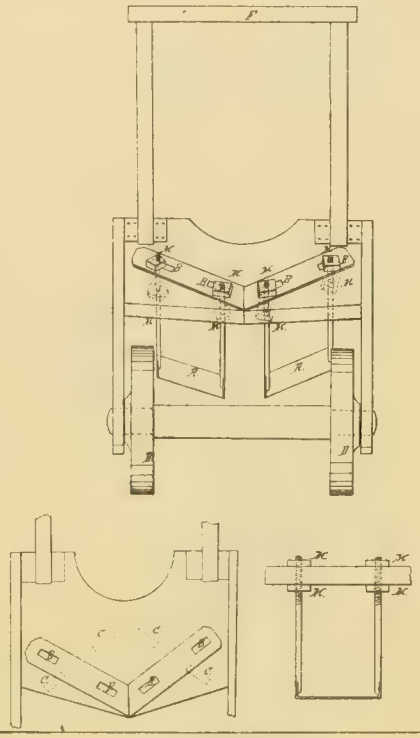
No. 12,428. Patented Feb. 20, 1855.



Chase & Saunders.

Hand Plow.

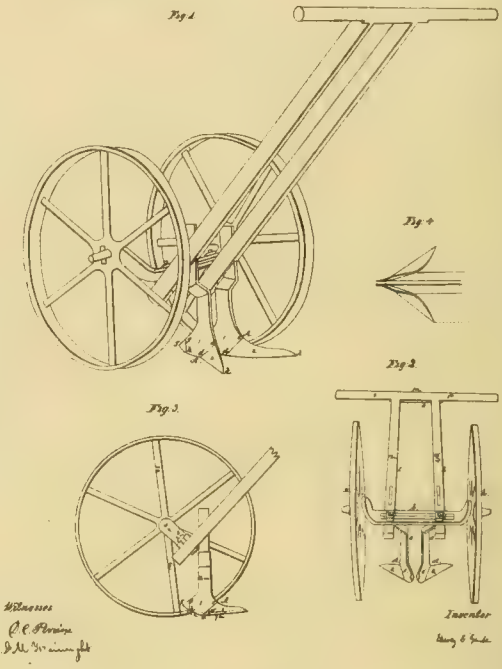
No. 12,478 Patented Mar. 6, 1855.



H. D. Clause.

Hand Plow.

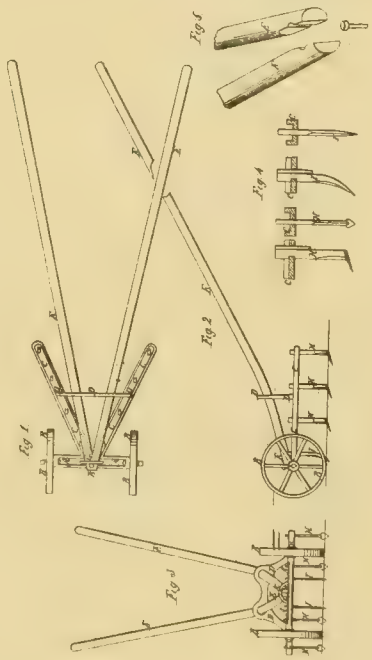
No. 12,589. Patented Mar. 27, 1855.



W. Adams.

Hand Plow.

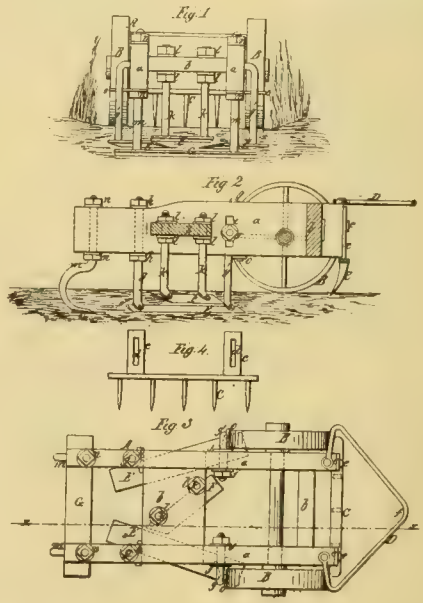
No. 21,055 Patented Aug. 3, 1858



A. Warren.

Hand Plow.

No. 26,066. Patented Aug. 9, 1859.



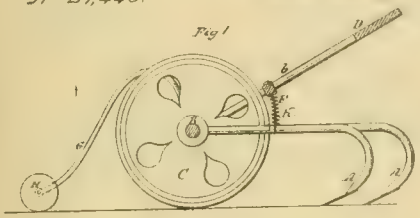
Witnesses,

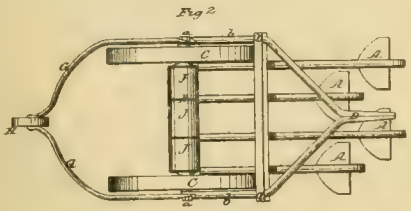
Inventor,

J. Geyer.

Hand Plow

No. 27,446. Patented Mar. 13, 1860





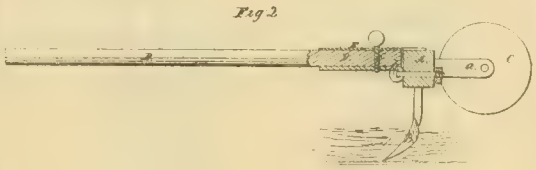
Witnesses
W. S. Geyer
Ind Mason

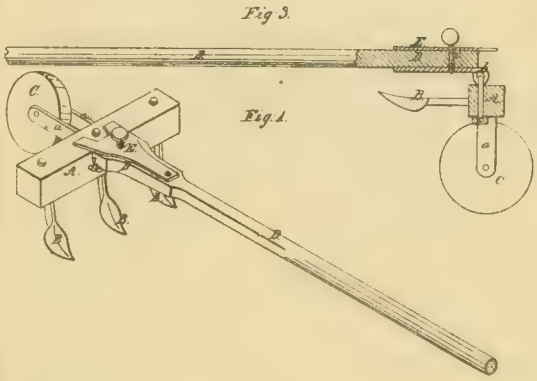
Inventor
John Geyer

P. S. Clinger.

Hand Plow

No. 27,694. Patented Apr. 3, 1860.

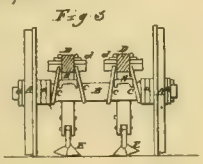


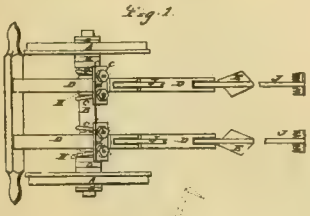


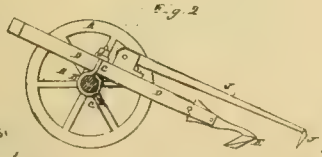
D. C. Jordon,

Hand Plow.

No. 28,376. Patented May 22. 1860.







Witnesses:
J. W. Combs
Wm. Dingston

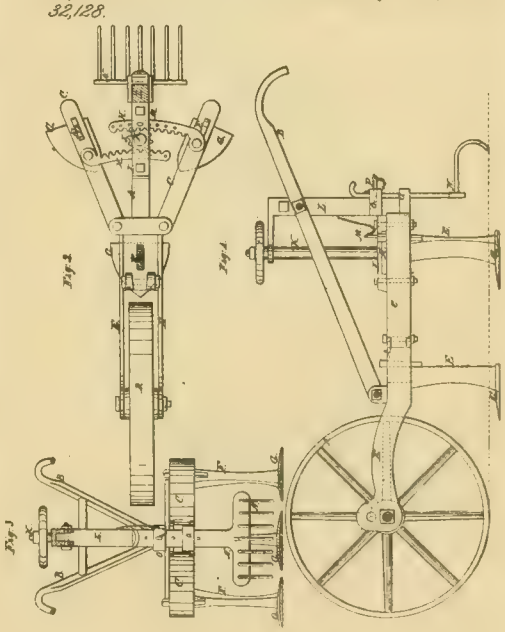
Inventor:
David C. Jordon
per Munn & Co
Attorneys

C. W. Emerson.

Hand Plow.

No. 1124.
32,128.

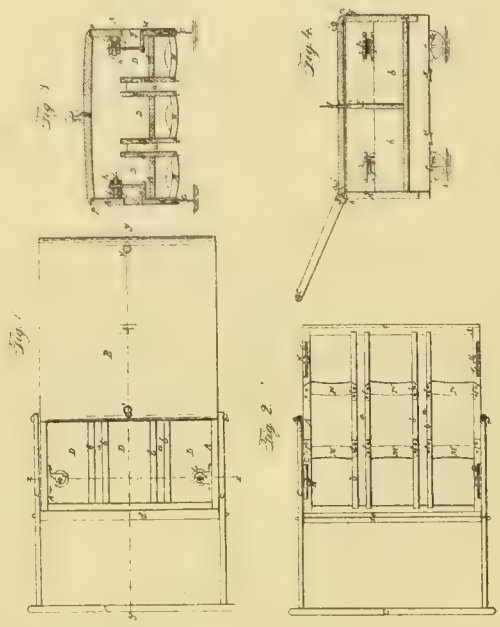
Patented Apr. 23, 1861.



R. F. JOYNES.

Hand-Plow.

No. 1,475. 32,479. Patented June 4, 1861.



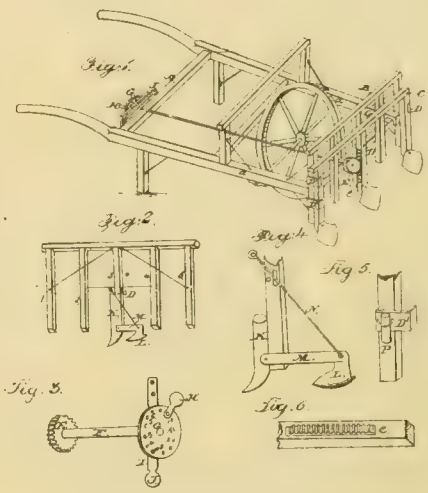
Witnesses:

Inventor:

J. K. DUGDALE.

Cultivator.

No. 35,223. Patented May 13, 1862.



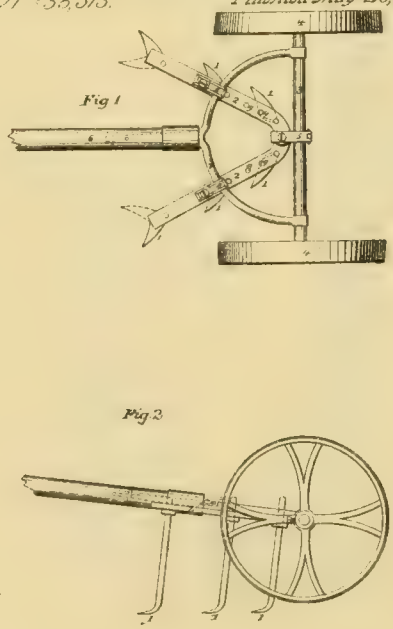
WITNESSES:

INVENTOR:

J. D. & A. M. Halstead.

Hand Plow.

No. 35,313. Patented May 20, 1862.



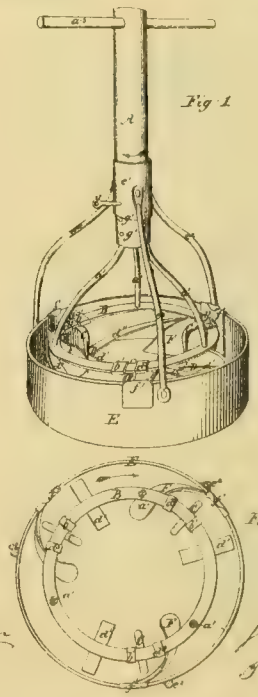
Witnesses.

Inventors.

Fitts & Thackara.

Hand Plow.

No. 39,560. Patented Aug. 18, 1863.



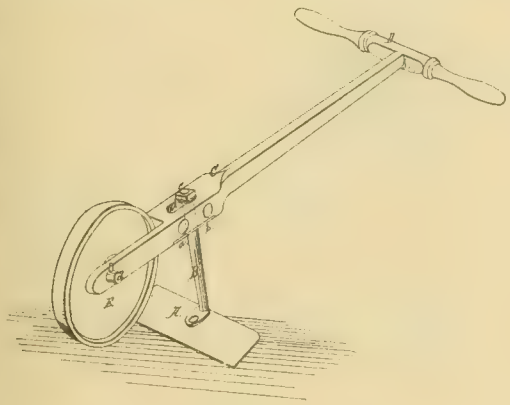
Witnesses,

Inventor,

A. B. Adams.

Weeding Hoe.

No. 44,036. Patented Aug. 30, 1864.



Witnesses.
Wm. F. McNamara
J. P. Hall.

Inventor.
A. B. Adams
per Munn & Co
Attorneys.

C. Jarvis.

Hand Plow

No. 45,831. Patented Jan. 10, 1865.

Fig. 1

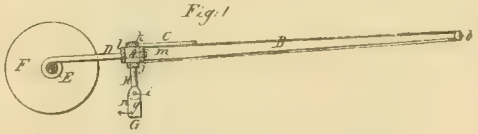
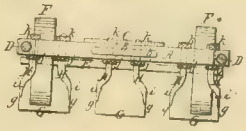


Fig. 2



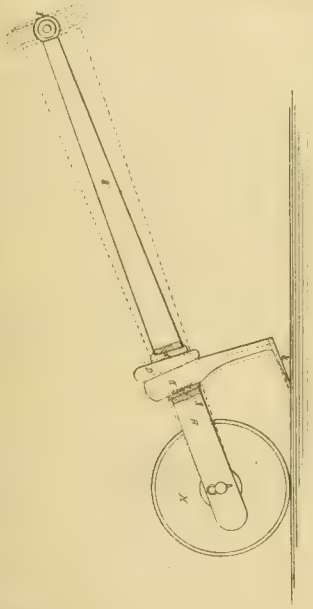
Witnesses
A. W. Dunbar
Geo. W. Newlegan

Inventor
Charles Jarvis

C. Croft.

Weeding Hoe.

No. 49,985. Patented Sep. 19, 1865.



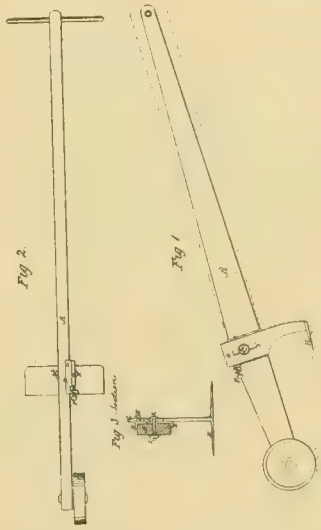
Witnesses.
C. W. Tom
A. C. Arnold

Inventor.
Charles Croft

A. C. Arnold.

Weeding Hoe.

No. 50,436. Patented Oct. 17, 1865.



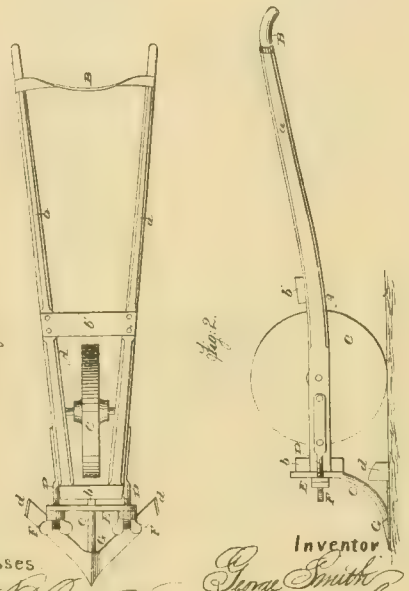
Witnesses.
W. E. Vine
S. S. Mitchell

Inventor.
Henry C. Arnold

G. SMITH.

Hand Plow.

No. 52,083. Patented Jan. 16, 1866.



Witnesses

Inventor

George Smith

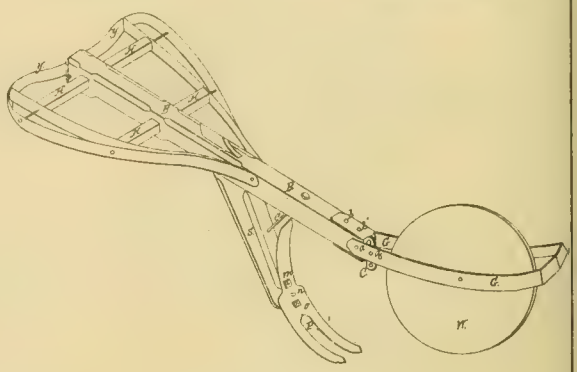
Munn & Co

Attorneys

J. Von Ahlen.

Hand Plow.

No. 53,061 Patented Mar. 6, 1866.



Witnesses.

Inventor

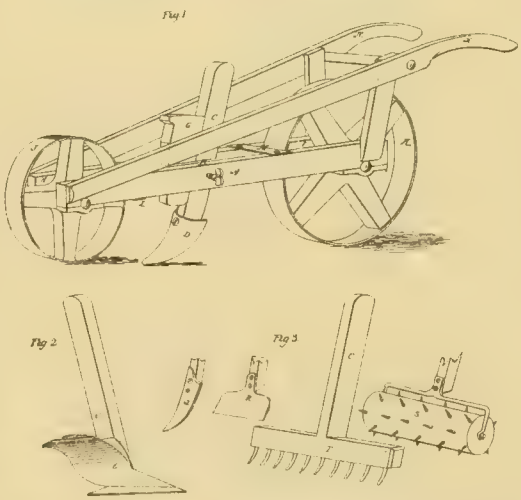
Joseph Von Ahlen

by Hoag & Dodge

J. M. Crawford.

Hand Plow.

No. 57,871. Patented Sept. 11, 1866.



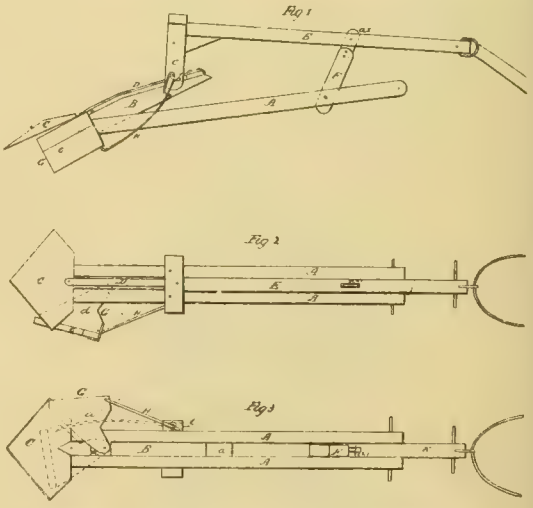
Witnesses

Inventor

T. Beale,

Cultivator.

No. 58,578. Patented Oct. 9, 1866.



Witnesses

Inventor

Thos Beale

Munn & Co

Attorneys

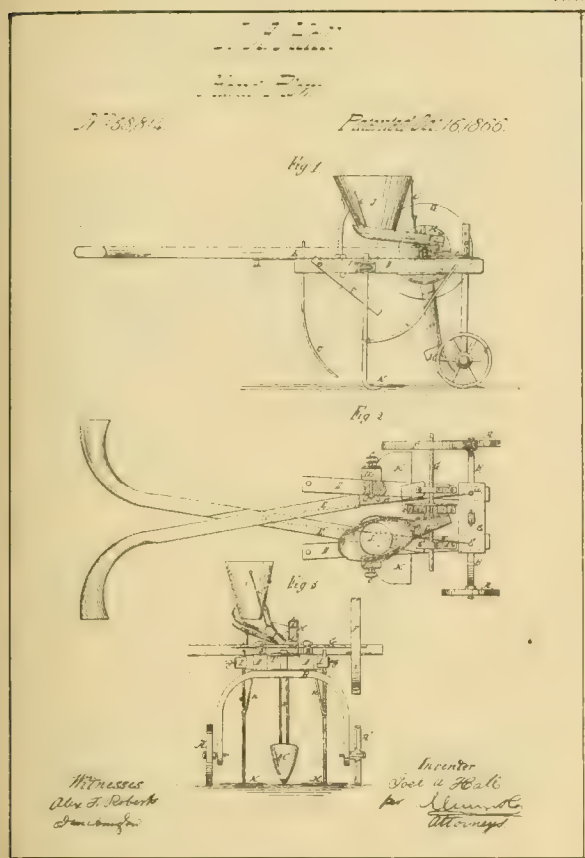
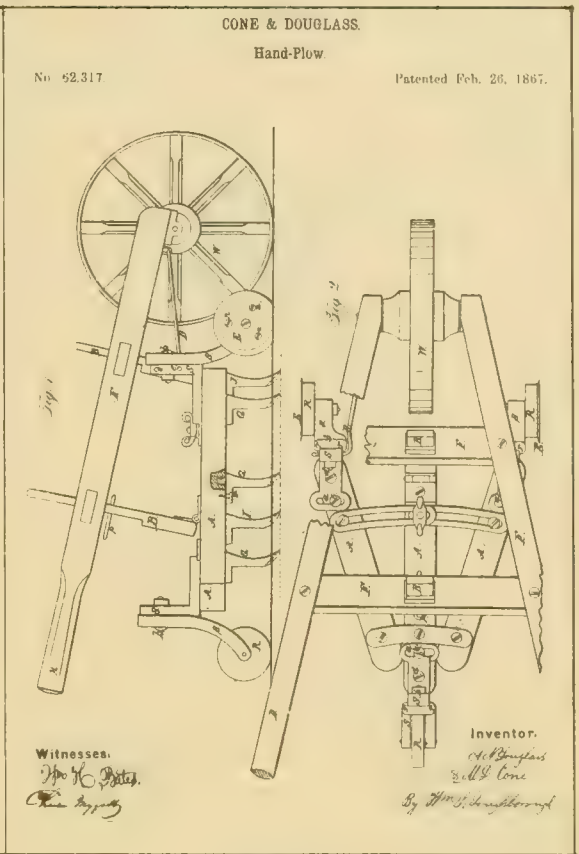
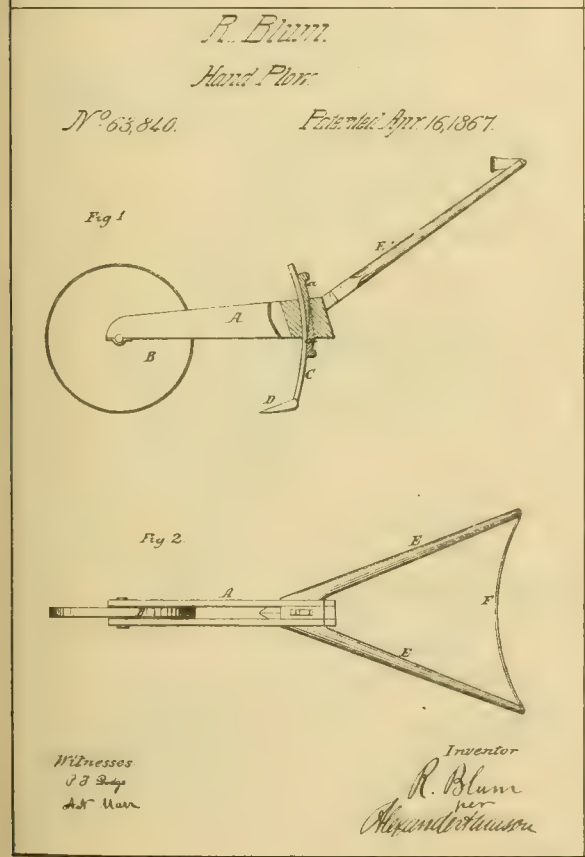
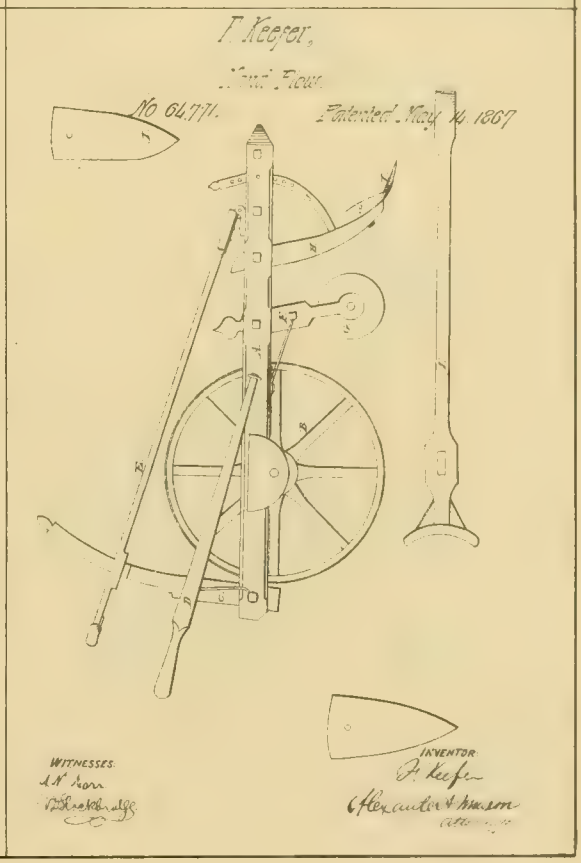


Fig 1
Fig 2
Fig 3
Witnesses
Alex T. Roberts
Inventor
per
Attorneys


CONE & DOUGLASS.
Hand-Plow.
No. 62,317.
Patented Feb. 26, 1867.
Fig 1
Fig 2
Witnesses.
Inventor.
By

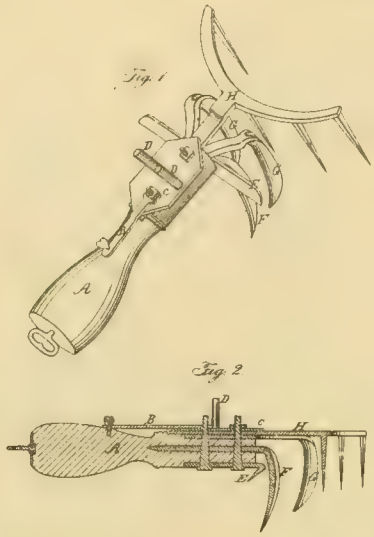

R. Blum.
Hand Plow.
No. 63,840.
Patented Apr. 16, 1867.
Fig 1
A
B
C
D
E
Fig 2
A
E
F
Witnesses
Inventor
R. Blum
per


T. Keefer.
No. 64,771.
Patented May 14, 1867
WITNESSES.
INVENTOR.
T. Keefer

G. W. SMITH.

Hand Plow.

No. 64,917. Patented May 21, 1867



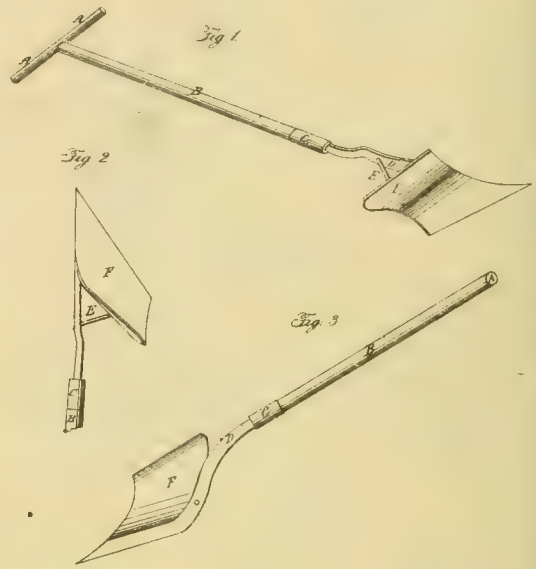
Witnesses:
Geo. W. Rothwell.
James S. Ewin

Inventor,
George W. Smith.
per Munn & Co. attys.

H. H. TIETJENS.

Hand Plow.

No. 68,469 Patented Sept. 3, 1867.



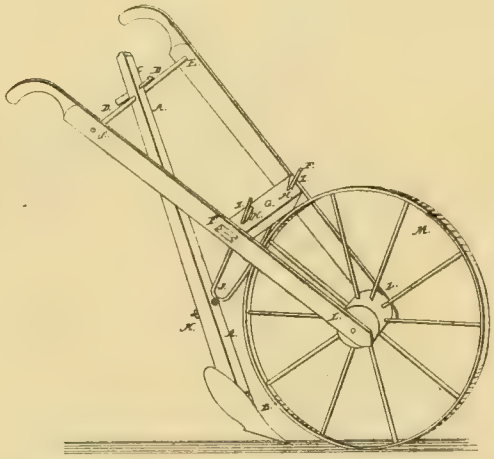
Witnesses:
B. H. Blumingen
Jno. W. McPaul

Inventor:
Hans H. Tietjens

C. A. HARRIS.

Hand-Plow

No. 69,803 Patented Oct. 15, 1867



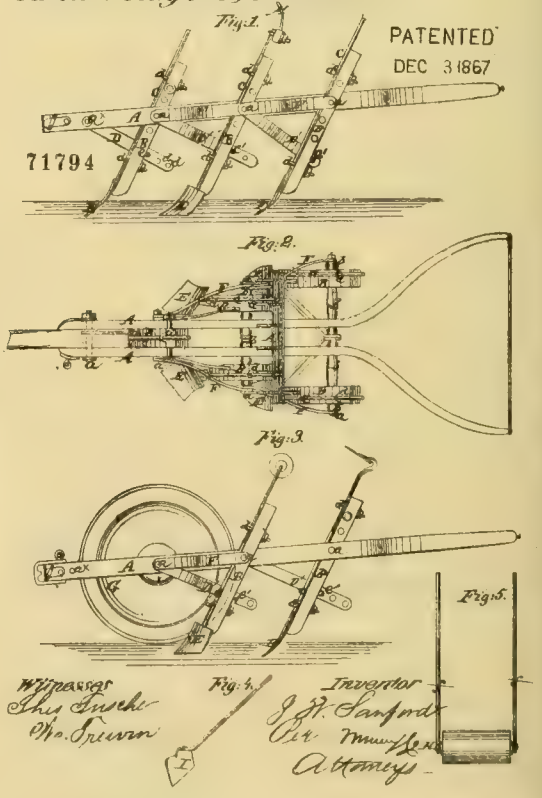
Witnesses:

Inventor:
Conrad A. Harris

Jared W. Sanford, Cultivator:

PATENTED DEC 3 1867

71794



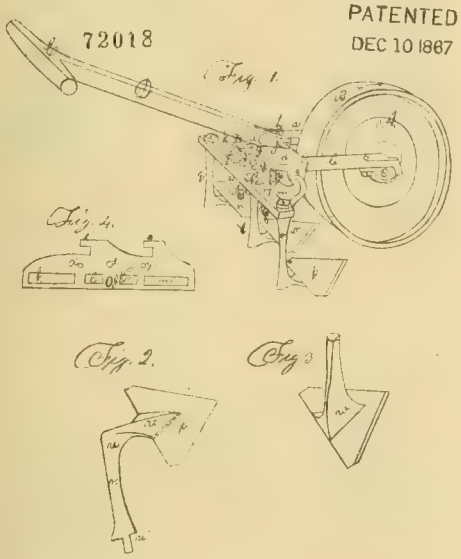
Witnesses
Thos. Fusche
Wm. Spencer

Inventor
J. W. Sanford
Per Munn & Co.
Attorneys

William C. Goodwin.
Hand Cultivator.

PATENTED
DEC 10 1867

72018

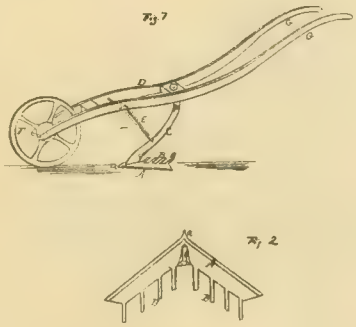


Witnesses.
Jerome B. Locke
W. Whitehouse

W. C. Goodwin

G. H. HESS.
WEEDING MACHINE

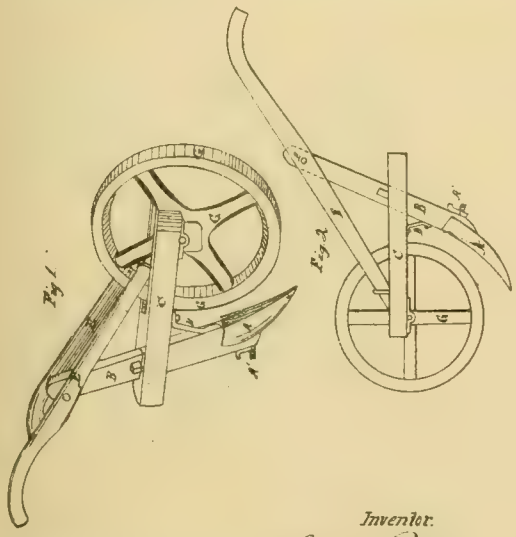
PATENTED
DEC 31 1867



W. Hanson
J. Hamilton
Jas. R. Hayden

Geo. H. Hess, Inventor
By J. B. Gordon
his attorney

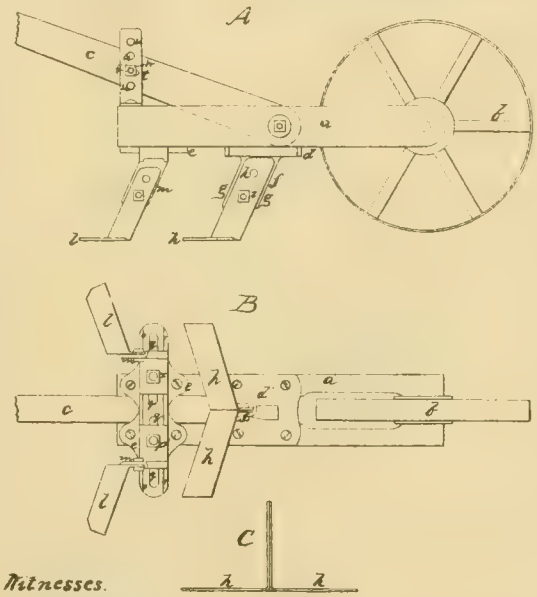
D. Petticrew.
Garden-Plow.
No. 73644 Patented Jan. 21, 1868



Witnesses.
Wm. Blaum
Laurence Kupfer

Inventor.
David Petticrew
by
D. P. Holloway & Co.
his attys.

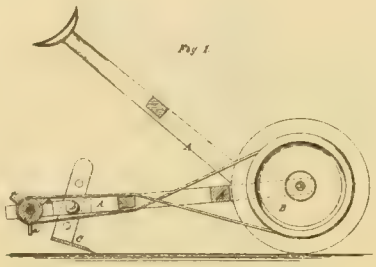
E. D. & O. B. Reynolds.
Wheel-Hoe.
No. 75460 Patented Mar. 10, 1868

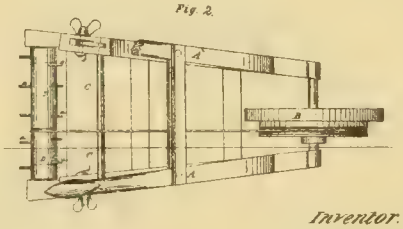


Witnesses.
S. B. Kidder
M. W. Sutlingham

Inventors. E. D. & O. B. Reynolds
by Crosby, Holding & Gould

N. & C. Carstens,
Weeding-Mach.
No. 75,858. Patented Mar. 24, 1868.

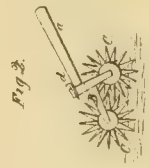


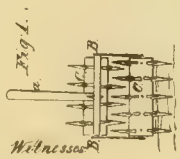


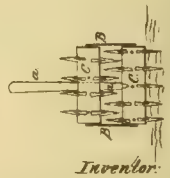
Witnesses.
H. C. Schlichter
H. A. Morgan

Inventor.
N. Carstens
C. Carstens
per Munn & Co
attorneys

A. Armstrong.
Rotary Harrow.
No. 79,540 Patented Jul. 7, 1868.



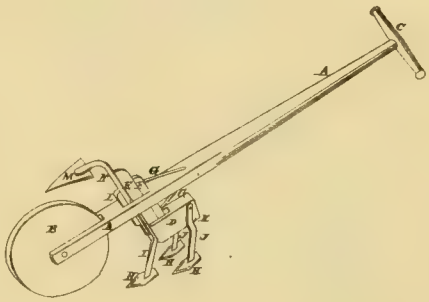




Witnesses
Geo. Keller
Frank T. Adams

Inventor:
James Armstrong

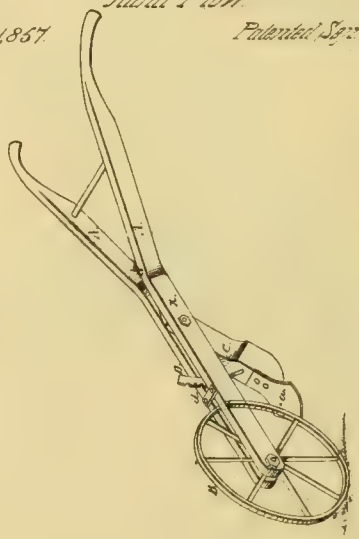
B. Taylor,
Hand Plow.
No. 81,034. Patented Aug. 11. 1868.



Witnesses
Wm. A. Morgan
G. E. Orton

Inventor:
B. Taylor
per Munn & Co
attorneys

W. B. Winton.
Hand Plow.
No. 81,857. Patented Sep. 1, 1868.



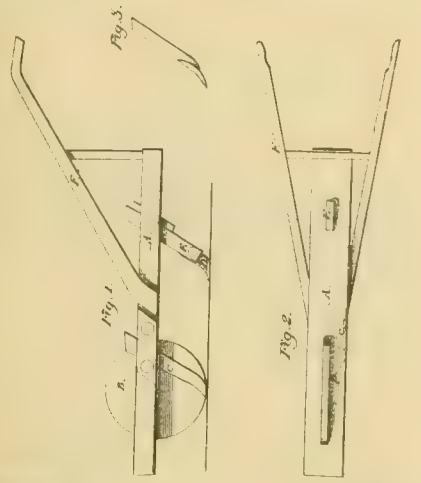
Witnesses.
J. Alfred Ellis
J. M. Hasler

Inventor:
W. B. Winton.
Per
A. H. Alexander
Attorney.

P. Alling,

Hand Plow,

No. 83,487. Patented Oct. 27, 1868.



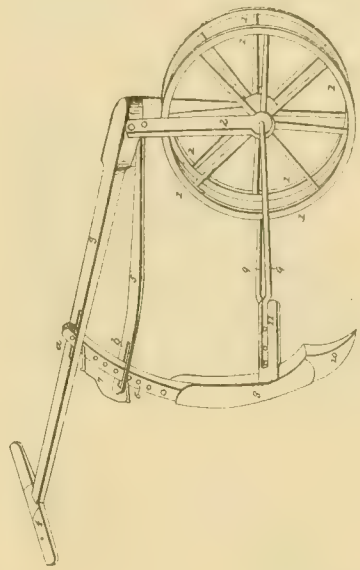
Witnesses:
D. H. Burridge
Frank Patten

Inventor:
P. Alling

J. WINECOFF.

Hand Plow.

No. 84,331. Patented Nov. 24, 1868.



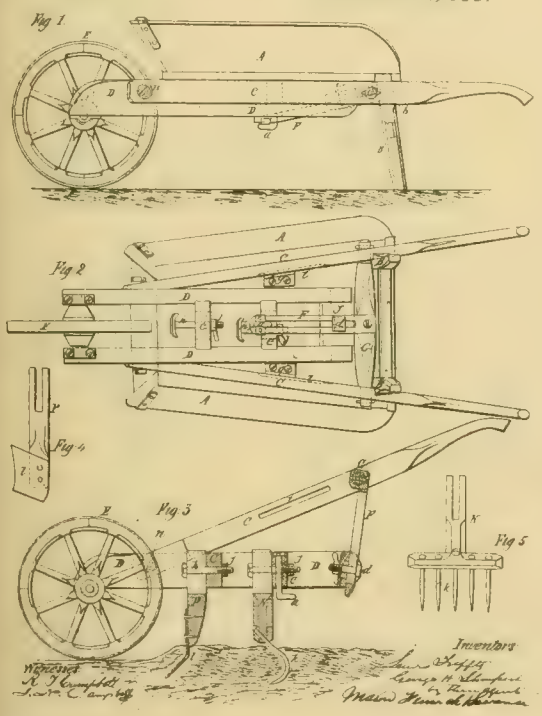
Witnesses
D. H. Fickton
J. P. Wilson

Inventor
Jesse Winecoff

Treffitz & Stingert.

Cultivator.

No. 86,709 Patented Jan. 5, 1869.



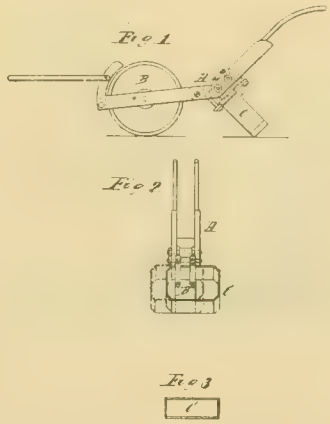
Witnesses
N. T. Campbell
Jas. Campbell

Inventors
Jno. Treffitz
Geo. H. Stingert
per Chas. Offnell
Marcus Hunt Attorney

N. H. Lindley,

Hand Plow,

No. 86,846. Patented Feb. 9, 1869.



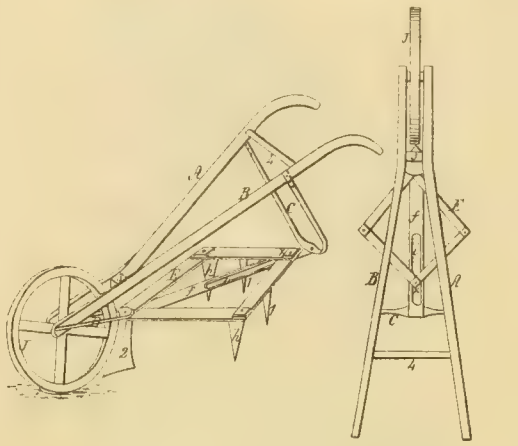
Witnesses
Wm. H. Shumway
A. J. Tibbitts

Inventor
N. H. Lindley
By Albert E. Earle
his Attorney

W. S. Spratt

Garden Cultivator

No. 86,879 Patented Feb. 9, 1869.



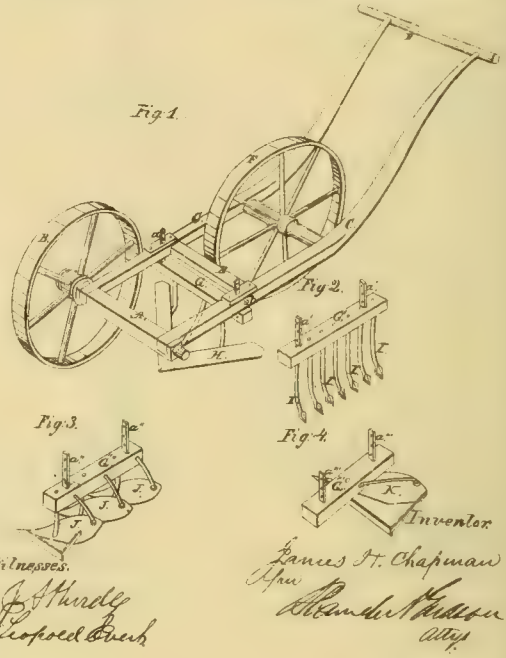
Witnesses.
A. G. Johnston
W. Johnston

Inventor,
W. S. Spratt

J. H. Chapman.

Garden Cultivator

No. 88,275. Patented Mar. 30, 1869.



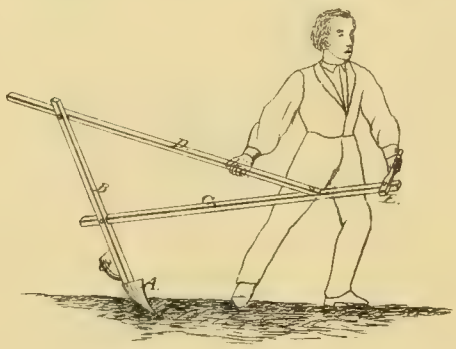
Witnesses.
J. J. Hurdle
Leopold Grunh

Inventor.
James H. Chapman
per
Alexander Hudson
Atty.

J. M. Culver.

Garden Cultivator

No. 89,634. Patented May 4, 1869.



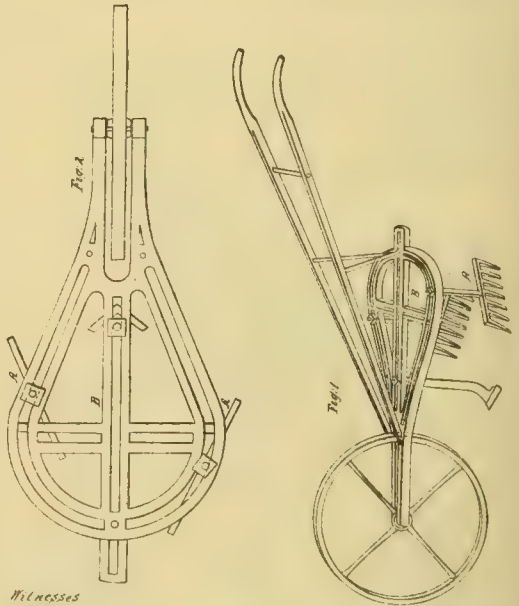
Witnesses
G. Rastly
Wm. A. Morgan

Inventor
J. M. Culver
per
Munn & Co
Attorneys

W. H. Comstock.

Cultivator and Weeder.

No. 90,639. Patented Jan. 1, 1869.



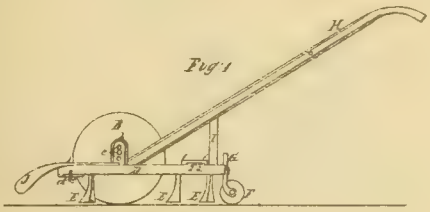
Witnesses
Wm. G. Comstock Jr.
David Comstock

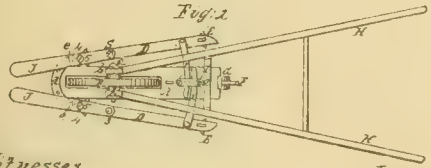
Inventor
William G. Comstock

E. G. Matthews.

Cultivator.

No. 91,144. Patented Jan. 8, 1869.





Witnesses
Thos. H. Dodge
Albert E. Reid

Inventor
E. G. Matthews

F. Byrns.

Hand Plow.

No. 92,581. Patented July 13, 1869.

Fig. 1.

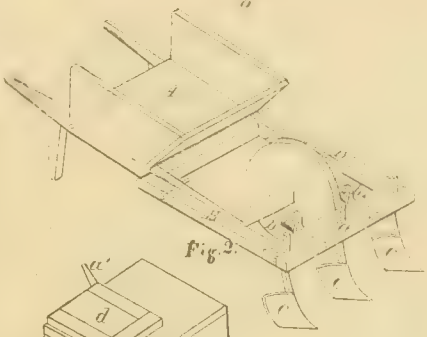
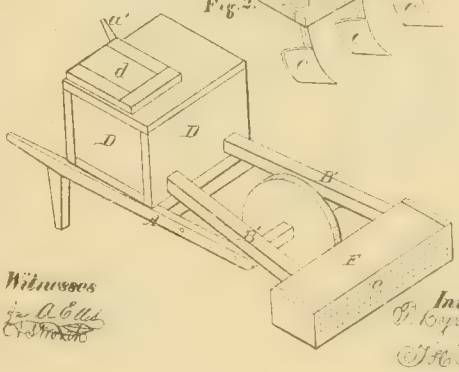


Fig. 2.



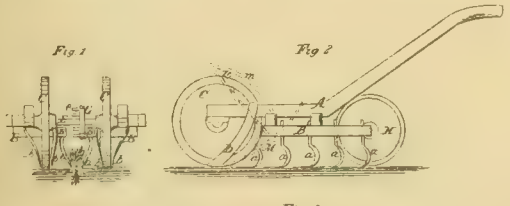
Witnesses
for O. Ellis
[illegible]

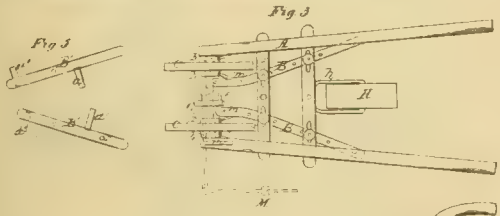
Inventor
F. Byrns
By
J. H. Miranda.

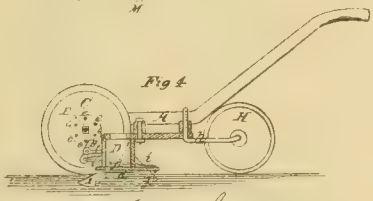
C. H. Johnson,

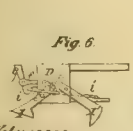
Hand Plow.

No. 92,835. Patented July 20, 1869.









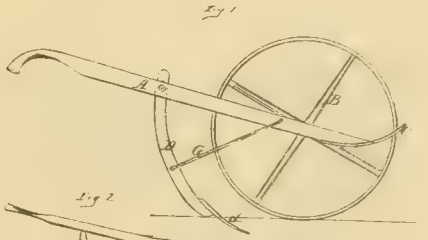
Witnesses
[illegible]
Fred Haynes

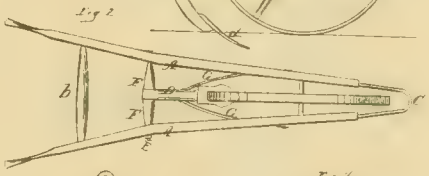
C. H. Johnson
Per Pennebomb & Co.
Attys.

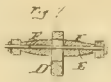
G. W. Cole.

Hand Plow.

No. 93,277. Patented Aug. 3, 1869.







Witnesses
[illegible]
[illegible]

Inventor
G. W. Cole
By [illegible]
Attorney

W. Gowen,

Hand Plow.

No. 93,431. Patented Aug. 10, 1869.

Fig. 1

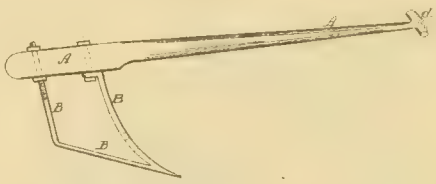


Fig. 2 Fig. 3 Fig. 4 Fig. 5

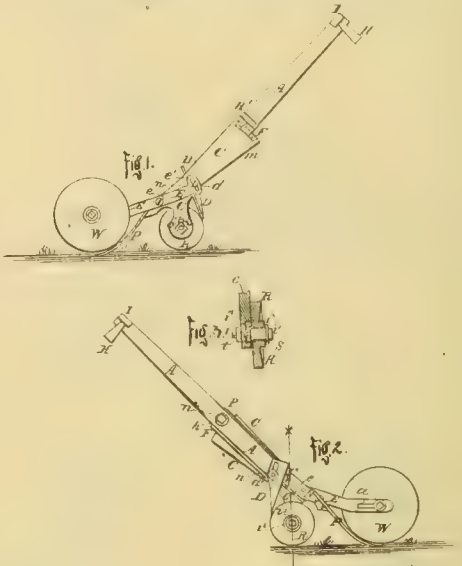
Witnesses:
J. T. Hungerford
Geo. H. Gable

Inventor:
W. Gowen
per
Attorneys.

Fayette Gard,

Hand Plow.

No. 94,434. Patented Aug. 31, 1869.



Witnesses:
C. A. Peck
S. E. Hymon

Inventors
F. Gard
by
Attorneys

R. Scott,

Garden Plow.

No. 94,657. Patented Sept. 7, 1869.

Fig. 1.

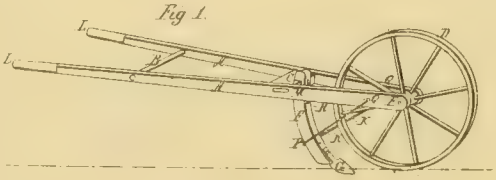
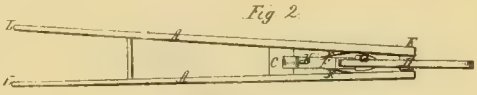


Fig. 2.



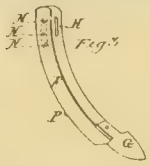


Fig. 3

Fig. 4.

Witnesses,
Robert A. Kerr
J. W. Mundy

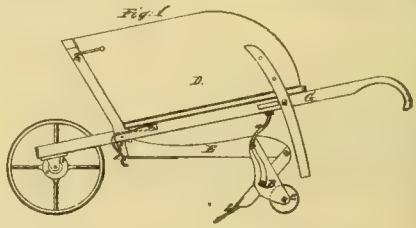
Inventor,
Robert Scott

J. D. C. Callahan,

Hand Plow.

No. 95,718. Patented Oct. 12, 1869.

Fig. 1



Witnesses
J. L. Wilkinson
B. H. Sylphard

Inventor
John D. C. Callahan
by P. S. Williams Atty

Fig. 2.

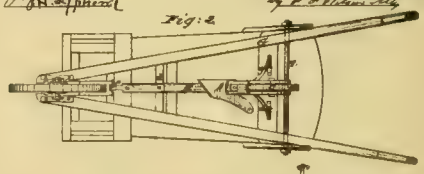


Fig. 5

Fig. 3

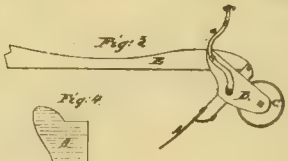
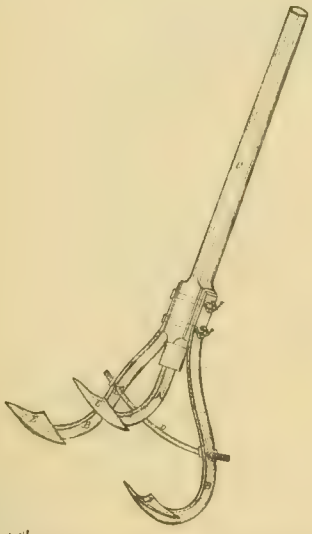


Fig. 4.

E. Clark

Hand Cultivator.

No. 95,986. Patented Oct. 12 1869



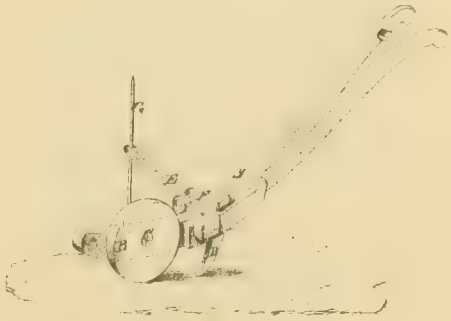
Witnesses.
Luke W. Clark
Alexander Montgomery.

Inventor.
Ebenezer Clark.

H. Haynesworth

Hand Plow

No. 97,508. Patented Dec. 7, 1869.



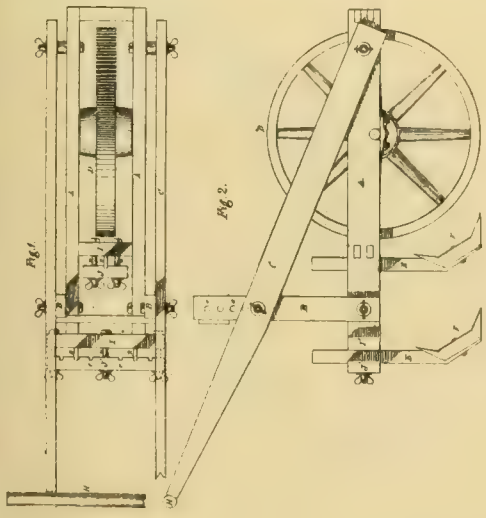
Witnesses:
Alex F. Roberts
Geo. L. Ferrous
Jr.

Inventor:
H. Haynesworth
per
Attorneys.

L. L. Beach,

Cultivator.

No. 98,357. Patented Dec. 28, 1869



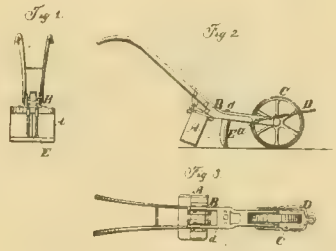
Witnesses:
E. J. Lemmon
R. Oliver

Inventor:
Luman L. Beach
by
Wedge & Munson
his atty

N. H. LINDLEY.

Horse Hoe.

No. 98,983. Patented Jan. 18, 1870.



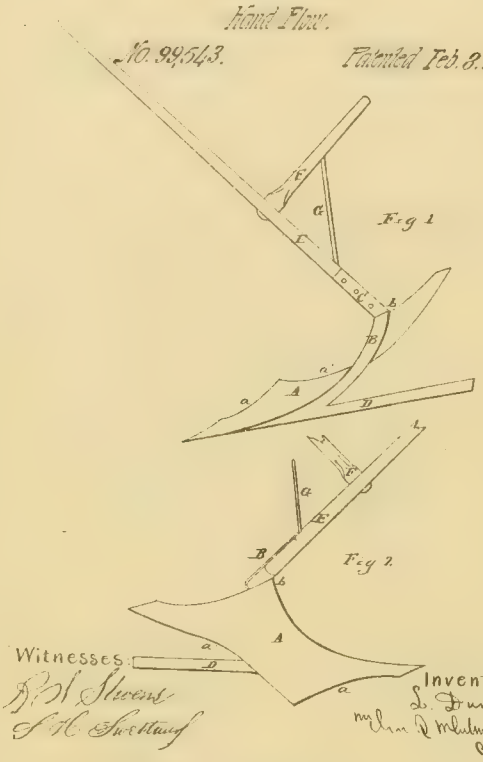
Witnesses
J. H. [illegible]
A. J. Tibbits

N. H. Lindley
Inventor
By his Attorney
A. E. Earl

L. Duvall,

Hand Plow.

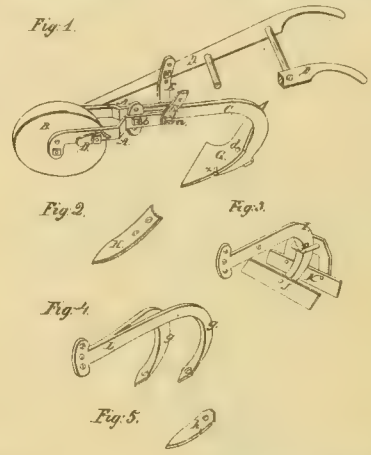
No. 99,543. Patented Feb. 8. 1870.



N. Rae,

Hand Plow.

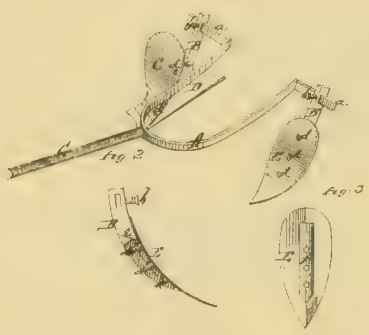
No. 112,497. Patented Mar. 7. 1871.



C. F. RUGGLES.

Improvement in Garden-Cultivators.

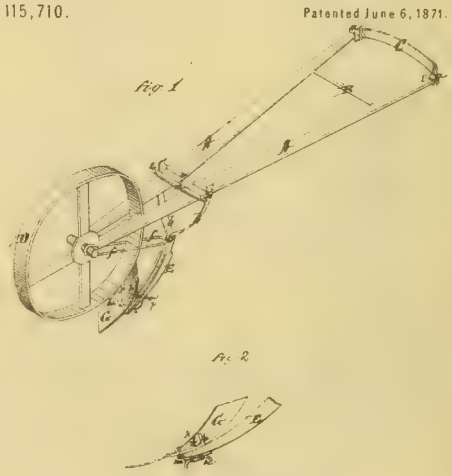
No. 115,526. Patented May 30, 1871.



JOHN COSTON.

Improvement in Plows.

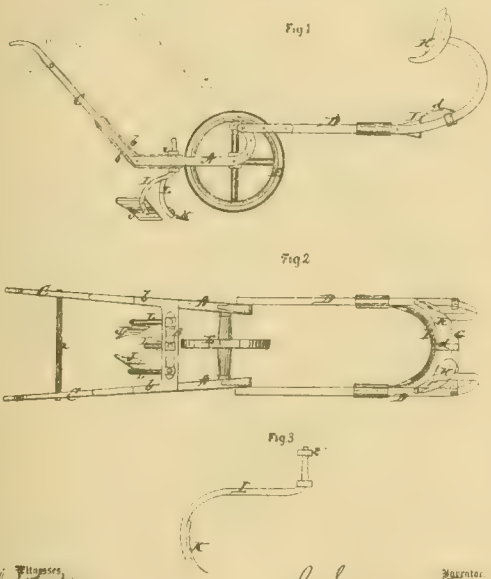
No. 115,710. Patented June 6, 1871.



J. E. REED.

Improvement in Cultivators.

No. 115,771. Patented June 6, 1871.



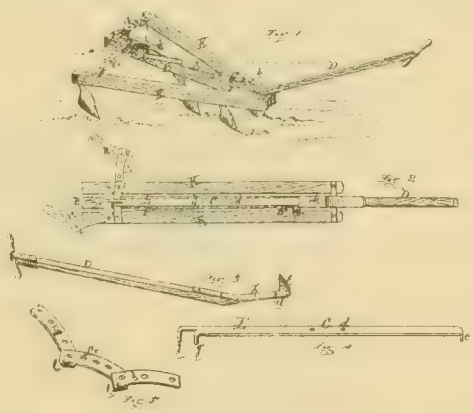
Witnesses
Jno C. Hutchinson
C. R. Ewert.

Inventor
J. Eugene Reed.
per
Alexander Mackey

F. O. BALDWIN.

CULTIVATOR

117034 PATENTED JUL. 18 1871

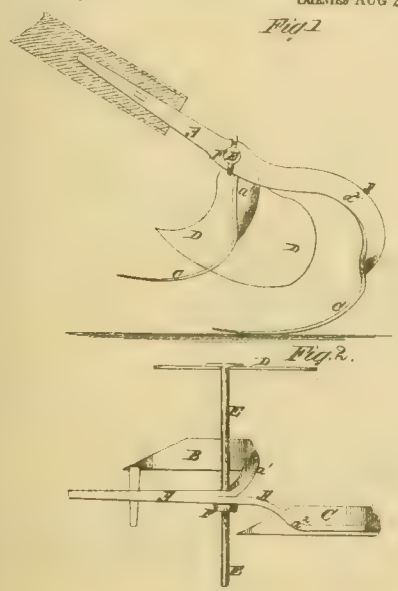


ATTEST
Frank Bennett
Nyan H. Clemes

INVENTOR
F. O. Baldwin
per Atty
Thos. Ellington

W. D. Smith. Hand Garden Plow.

118290 PATENTED AUG 22 1871



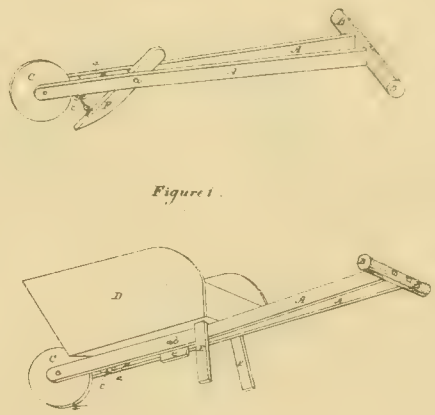
Witnesses;
John Becker.
Wm. H. B. Smith.

Inventor:
W. D. Smith.
per
Attorneys.

Benjamin C. Fitzhugh.

Combined Wheel-barrow & Plough.

No. 119,973. Patented Oct. 17, 1871.



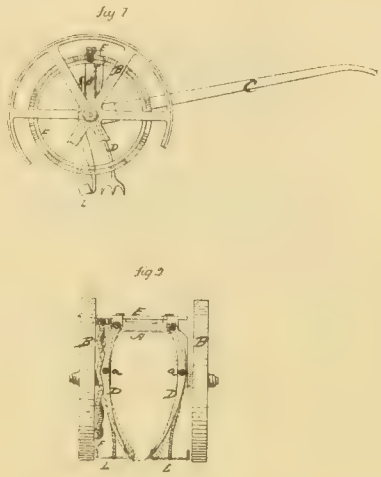
Witnesses
Geo. L. Chase
J. West Wagner

Inventor.
Benjamin C. Fitzhugh
by Johnson & Hewitt
his attorneys

A. H. SHERWOOD

Improvement in Weeding Machines.

No. 123,944. Patented Feb. 20, 1872.



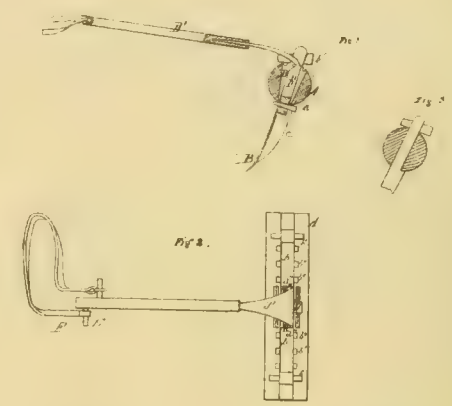
Witnesses
L. W. Thurmond
A. J. Tibbits

Arthur H. Sherwood
Inventor
By his Atty
John E. Earl

W. G. JONES

Improvement in Hand Cultivators.

No. 124,140. Patented Feb. 27, 1872.



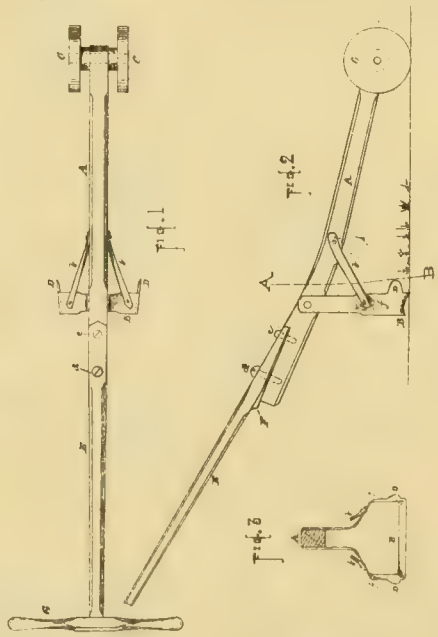
Witnesses
E. H. Walter
J. A. Connolly

Inventor
W. G. Jones,
Chapman Turner & Co
Atty

WILLIAM GOODWIN.

Improvement in Hand Hoe Cultivators.

No. 124,810. Patented March 19, 1872.



Witnesses
John W. Rodgers
William H. Orne

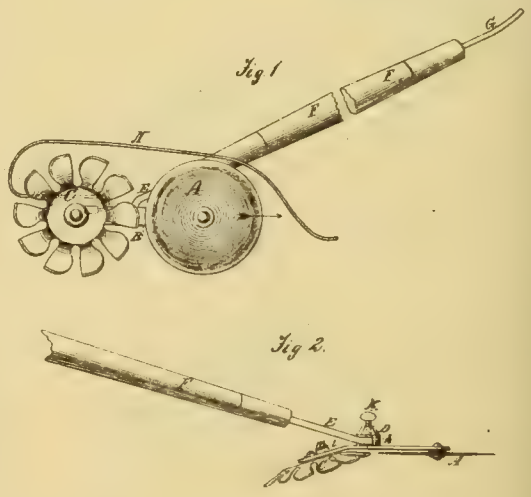
Inventor
William Goodwin

3 Sheets--Sheet 1.

E. T. BUSSELL

Cultivators.

No. 129,712. Patented July 23, 1872.



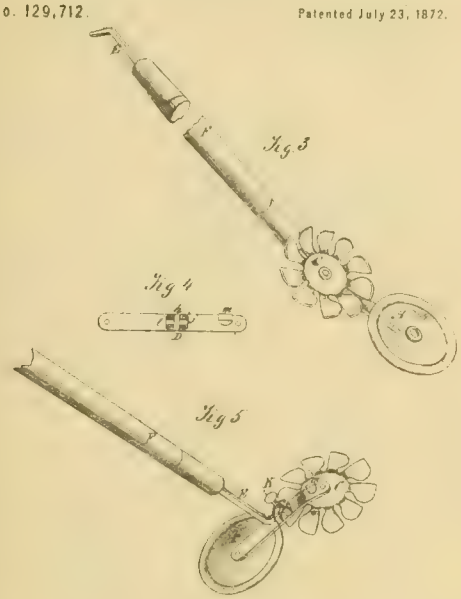
Witnesses.
A. Rupport
Joseph Forest

Inventor:
Erastus T. Bussell
By Theodore Mangon.
Attorney

E. T. BUSSELL. 3 Sheets--Sheet 2

Cultivators.

No. 129,712. Patented July 23, 1872.



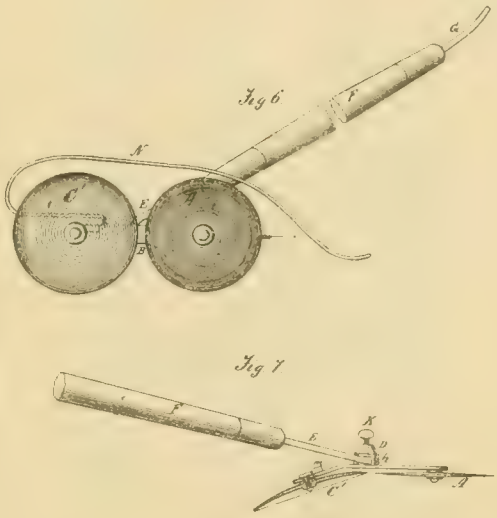
Witnesses.
A. Rupprecht.
Joseph Fornet

Inventor.
Erastus T. Bussell
By Theodore Munger
Attorney

E. T. BUSSELL. 3 Sheets--Sheet 3.

Cultivators.

No. 129,712. Patented July 23, 1872.



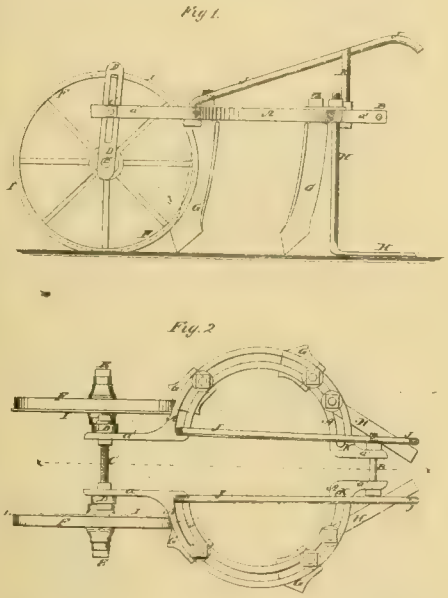
Witnesses
A. Rupprecht
Richard Covington

Inventor
Erastus T. Bussell
By Theodore Munger, etc.
Attorney

C. D. PERKINS.

Improvement in Cultivators

No. 131,066. Patented Sep. 3, 1872.



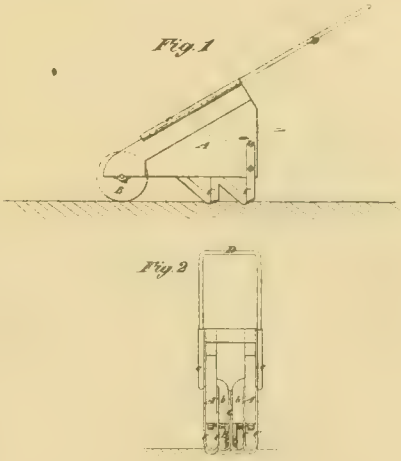
Witnesses:
Wm. Alex. F. Roberts

Inventor.
C. D. Perkins
Per Munn & Co.
Attorneys

F. TRIGALET.

Improvement in Cultivators.

No. 132,504. Patented Oct. 22, 1872.



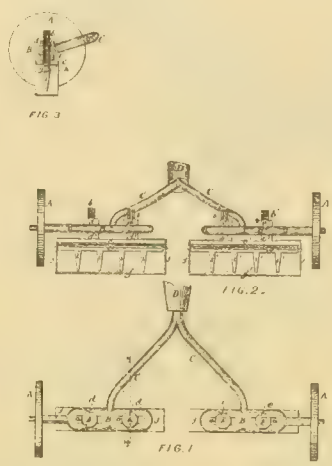
Witnesses
Fred Haynes
R. Wheatley

Inventor
Frank Trigalet

S. H. FOLSOM.

Hoes.

No. 133,932. Patented Dec. 17, 1872.



WITNESSES

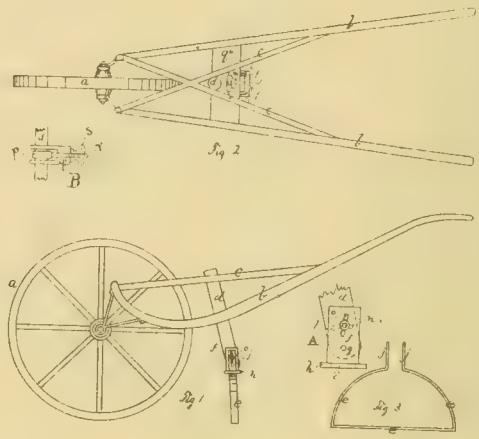
INVENTOR

Samuel H. Folsom

N. D. BEECROFT

Hoes.

No. 136,020 Patented Feb. 18, 1873.



Witness

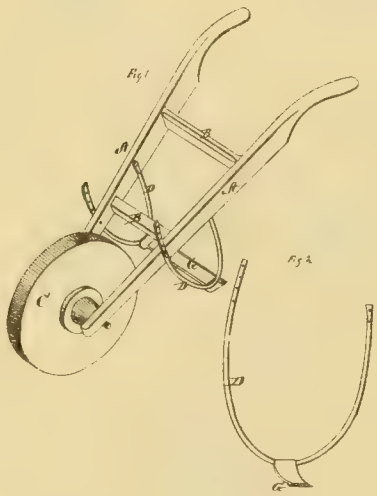
Inventor

Norval D. Beecroft

L. J. DAWDY.

Hand-Cultivators.

No. 136,220. Patented Feb. 25, 1873.



Witness

Inventor

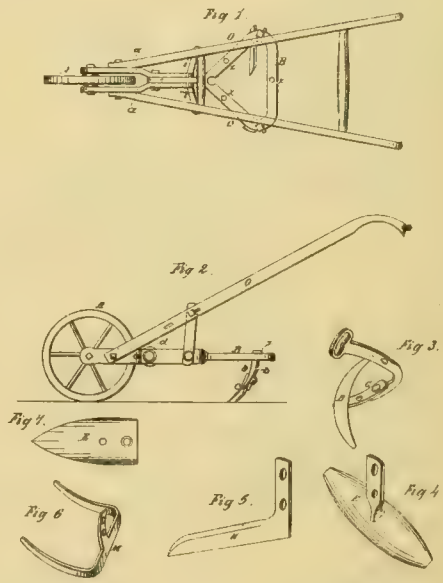
Lansing J. Dawdy

Attorneys.

G. W. RUE.

Hand-Cultivators.

No. 137,098 Patentpd March 25, 1873.



Witnesses.

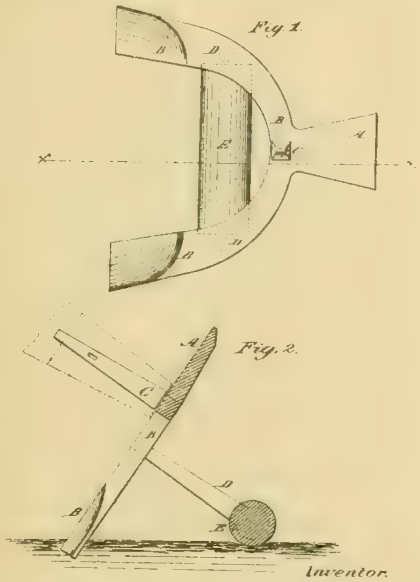
Inventor.

Geo W Rue

E. BLANCHARD.

Combined Garden-Hoes and Rollers.

No. 137,124 Patented March 25, 1873



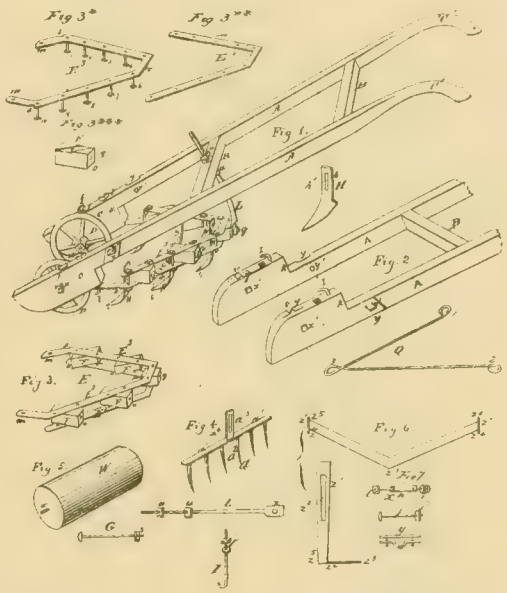
Witnesses.
N. Dutcher
C. Sedgwick

Inventor.
E. Blanchard
per Munn & Co.
Attorneys.

E. M. GRAHAM.

Cultivators.

No. 139,001 Patented May 20, 1873.



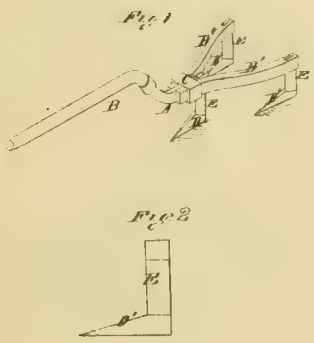
Witnesses
W. A. Dangerfield
P. H. Upperman

Inventor:
E. M. Graham
by Coburn Wright & Comp.
Attorneys

R. RUST.

Cultivators.

No. 139,193 Patented May 20, 1873.



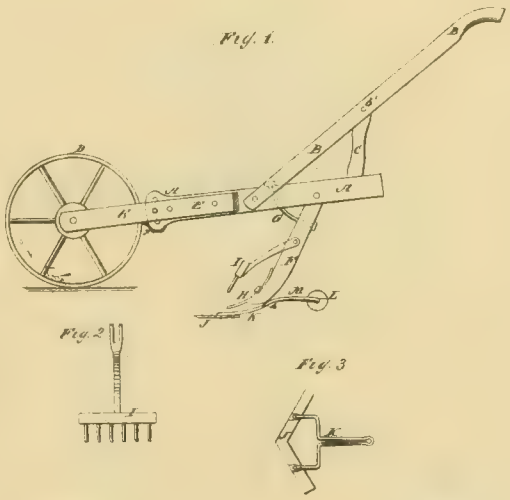
Witnesses
G. S. Upkane
Jos. Bloomis.

Inventor
Reuben Rust,
Chapman & Osmun & Co.
Attys

D. MACK.

Garden-Cultivating Implements.

No. 144,912 Patented Nov. 25, 1873.



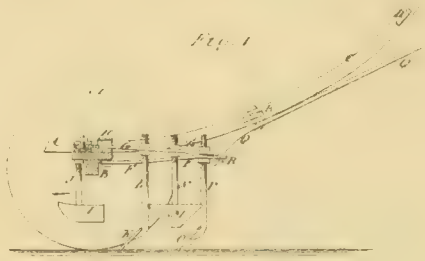
Witnesses:
E. Wolff
E. Sedgwick

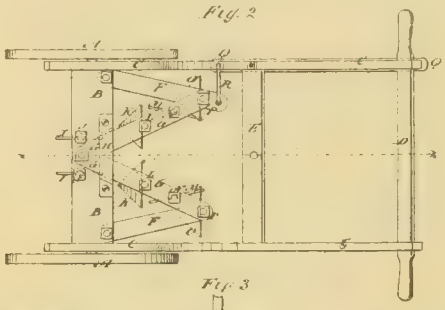
Inventor:
D. Mack
Per Munn & Co.
Attorneys.

A. W. ROSS.

Hand-Cultivators.

No. 144,927 Patented Nov. 25, 1873.





Witnesses:

Inventor:

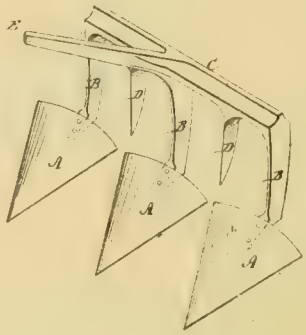
Per

Attorneys.

S. A. CONRAD.

Hand-Cultivators

No. 145,153. Patented Dec. 2, 1873.



WITNESSES

INVENTOR.

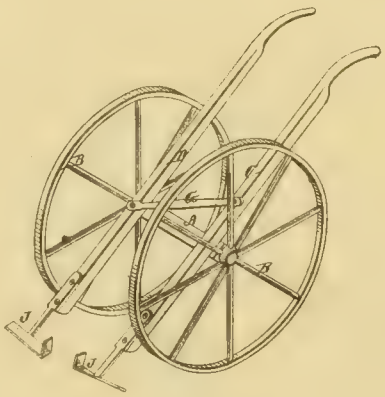
By

Attorneys.

J. S. ROYS.

Wheeled-Hoes.

No. 146,712. Patented Jan. 20, 1874.



WITNESSES

INVENTOR

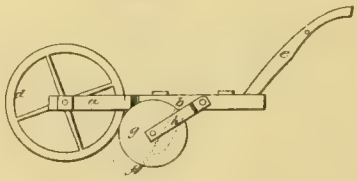
By

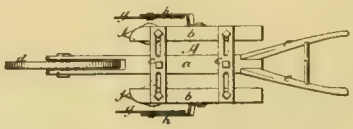
Attorneys.

W. MARSH.

Hand-Cultivators.

No. 148,226. Patented March 3, 1874.





WITNESSES.

By

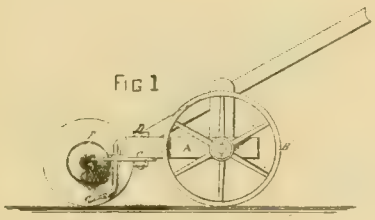
INVENTOR

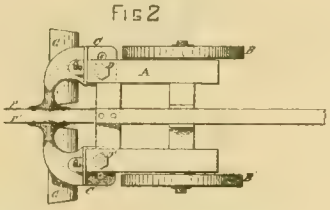
Attorneys.

E. H. WARBASSE.

Wheeled Hoes.

No. 149,083 Patented March 31, 1874.





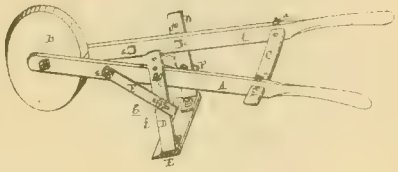
WITNESSES.. Isaac R. Backstel. Edwd. Swaim

INVENTOR. Elias H. Warbasse

H. VOSBURG.

Garden Scarifiers.

No. 153,865. Patented Aug. 4, 1874.



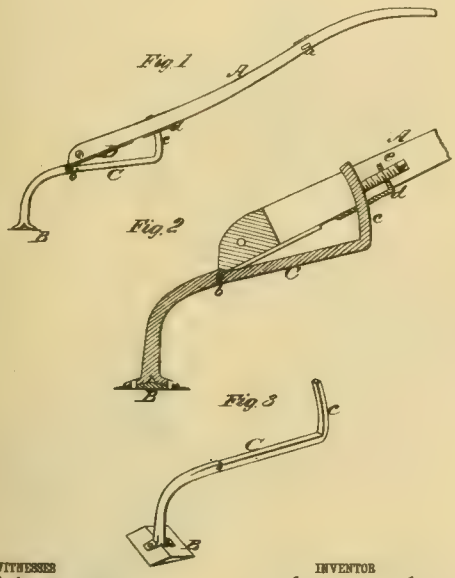
Witnesses: E. B. Gerrish, M. P. Spalding

Inventor: H. Vosburg, per Attorney, M. Offenberger

J. HALL.

Cultivators.

No. 156,482. Patented Nov. 3, 1874.



WITNESSES Robert Everitt, E. H. Baker

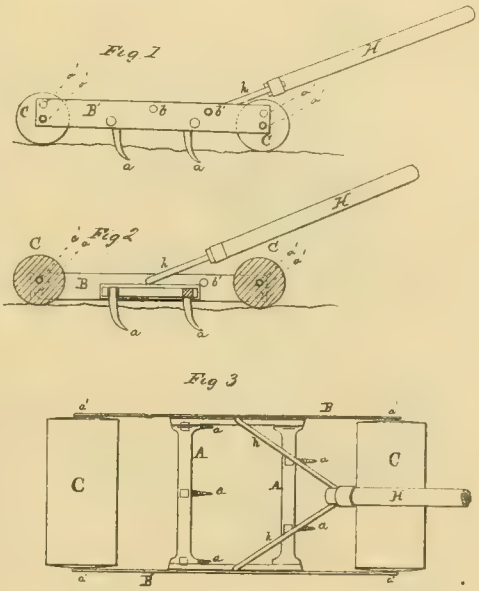
INVENTOR Jeremiah Hall, Chapman & Frame Attorneys

2 Sheets--Sheet 1.

W. M. SKELTON.

Combined Hand-Rakes and Rollers.

No. 156,715. Patented Nov. 10, 1874



WITNESSES Robert Everitt, George Eckhame BY

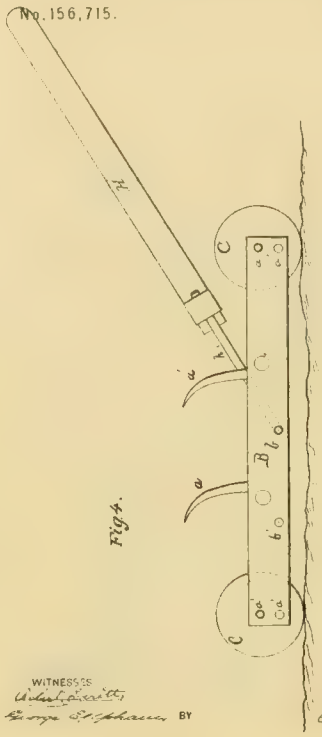
INVENTOR William M. Skelton, Chapman & Frame Attorneys

2 Sheets--Sheet 2

W. M. SKELTON.

Combined Hand-Rakes and Rollers.

No. 156,715. Patented Nov. 10, 1874.



WITNESSES

BY

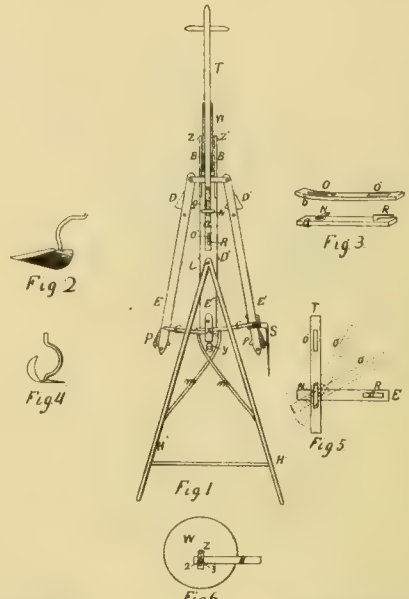
INVENTOR

ATTORNEYS

W. FRENCH & J. W. PRENTICE.

Hand-Cultivators.

No. 156,919. Patented Nov. 17, 1874.



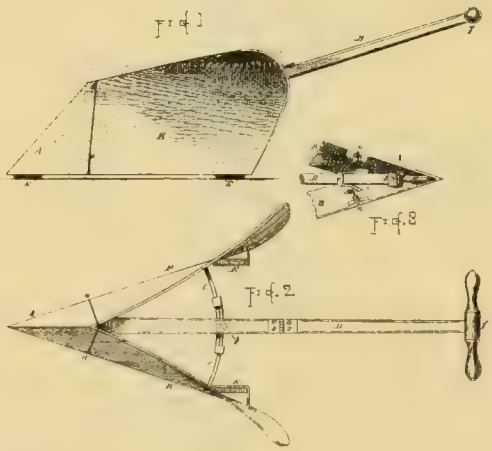
Witnesses

Inventors

C. A. & G. R. PARKER.

Hand Snow-Plows.

No. 157,078. Patented Nov. 24, 1874.



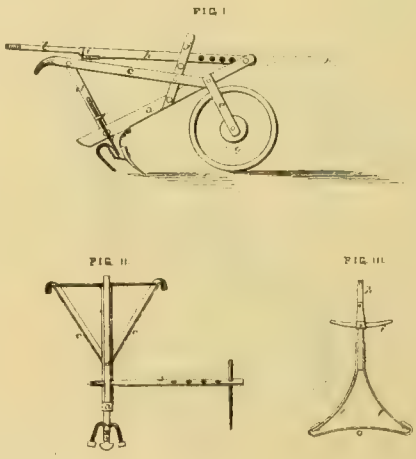
Witnesses

Inventors

S. REED.

Cultivators.

No. 157,761. Patented Dec. 15, 1874.

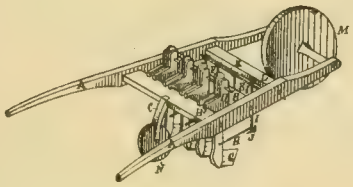


WITNESSES

INVENTOR

W. O. CLARK.
Cultivator.

No. 162,900 Patented May 4, 1875.

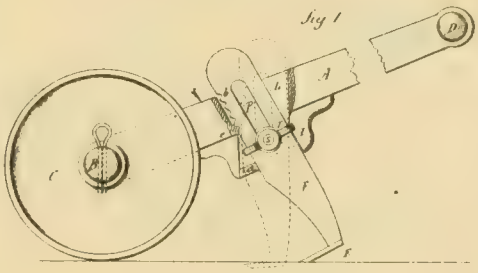


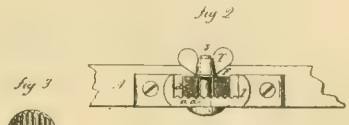
Witnesses,
H. E. Metcalf.
Geo. G. Shaw.

Inventor,
William O. Clark,
Per C. A. Shaw
Atty.

C. CROFUT.
Weeding Implement.

No. 166,506. Patented Aug. 10, 1875.



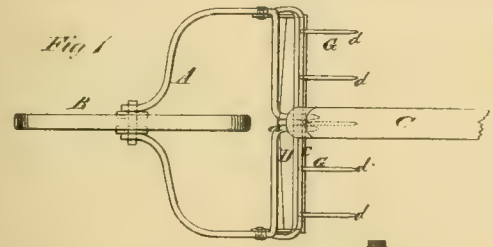


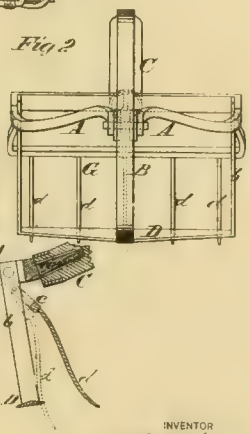
Witness
Clara Creighton

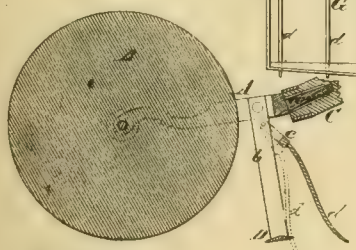
Chas Crofut
Inventor
By Wm. E. Earle

J. CHRISTY.
Garden-Implement.

No. 168,234. Patented Sept. 28, 1875.





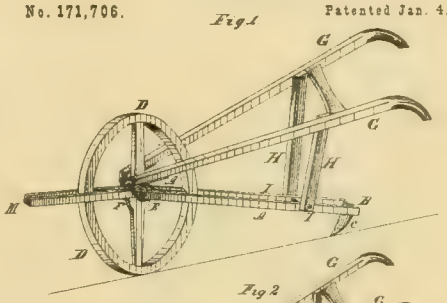


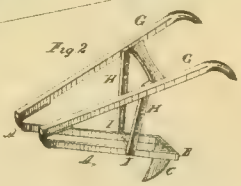
WITNESSES
Willis Anderson
George P. Ufkuc

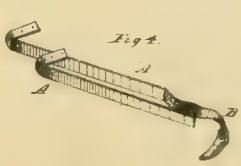
INVENTOR
John Christy,
Chipman Hines & Co.
ATTORNEYS

M. Y. THOMPSON.
HAND-PLOW.

No. 171,706. Patented Jan. 4, 1876.



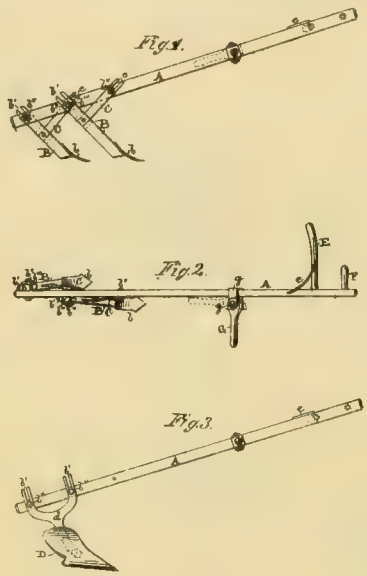




WITNESSES-
Philip W. Wade,
W. Beale Hale

INVENTOR-
Melchisedek Young Thompson
By Edmund Rumsey & Co.
Attorneys.

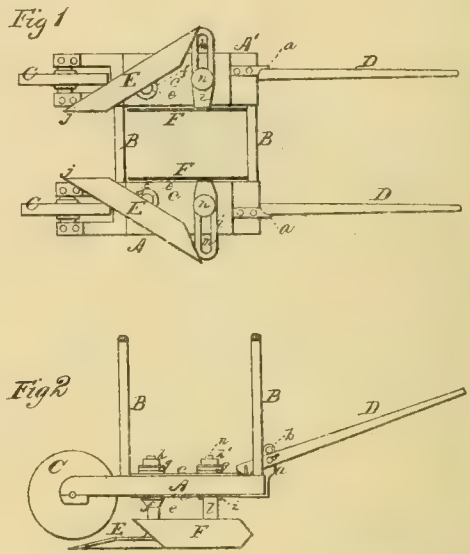
J. PIERPONT, S. S. TUTTLE & C. B. TOMPKINS.
HAND-CULTIVATOR.
No. 173,179 Patented Feb. 8, 1876.



Witnesses.
T. Van Rinsick
Geo. Quilburn

Inventors:
Joshua Pierpont
Sidney S. Tuttle
Charles B. Tompkins
By W. Pierpont & W. Pierpont Allen
Attys

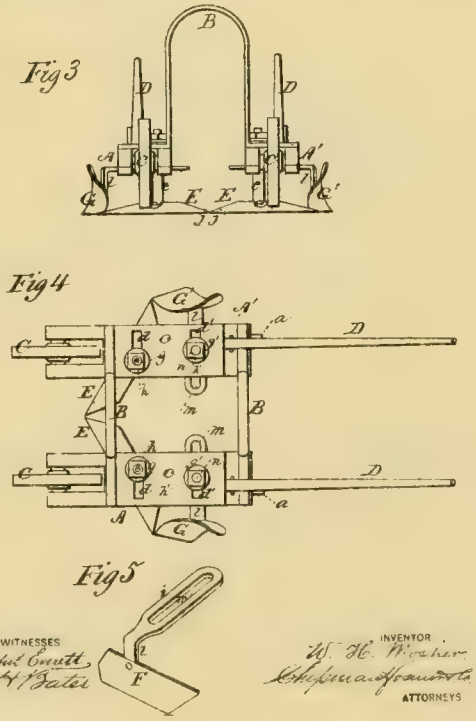
2 Sheets—Sheet 1.
W. H. MOSHER.
CULTIVATOR.
No. 173,324. Patented Feb. 8, 1876.



WITNESSES
Robt Everett
E. H. Bates

INVENTOR
W. H. Mosher
Chapman & Hoomes
ATTORNEYS

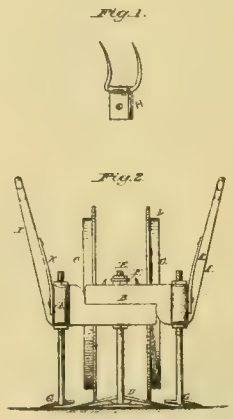
2 Sheets—Sheet 2.
W. H. MOSHER.
CULTIVATOR.
No. 173,324. Patented Feb. 8, 1876.



WITNESSES
Robt Everett
E. H. Bates

INVENTOR
W. H. Mosher
Chapman & Hoomes
ATTORNEYS

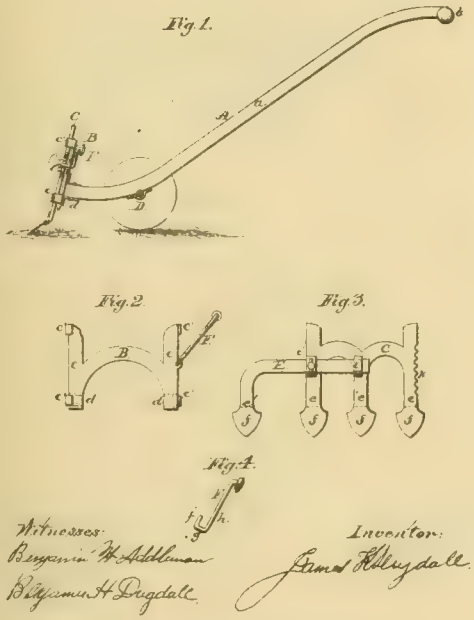
J. L. McCULLOCH.
CULTIVATOR.
No. 176,438. Patented April 25, 1876.



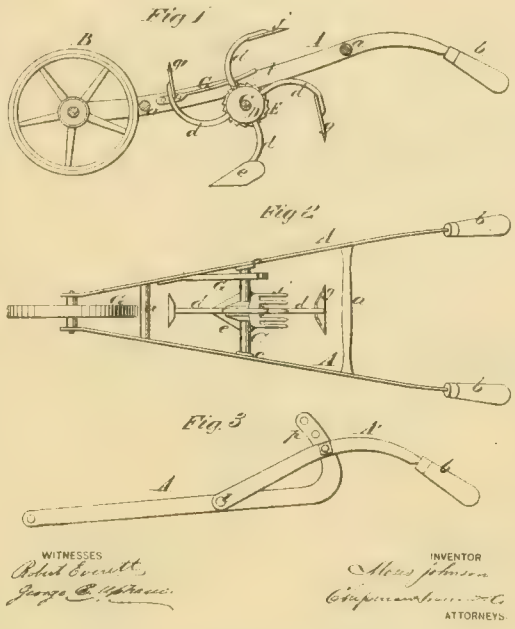
Attest:
Chas. E. Rice
Walter G. Ruff

Inventor
John L. McCulloch

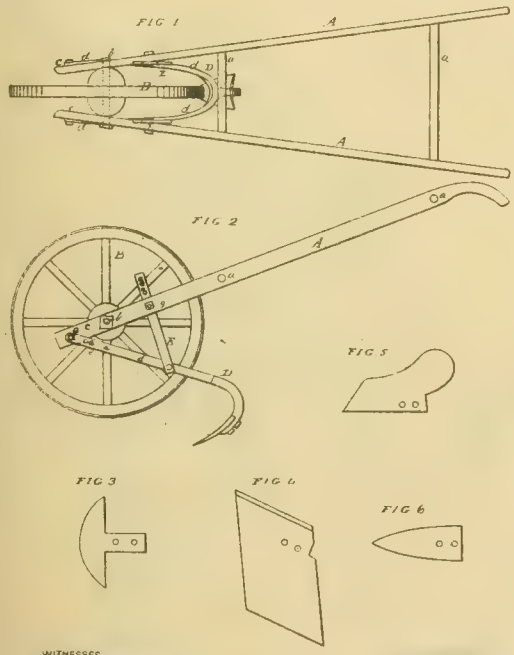
J. K. DUGDALE.
HAND CULTIVATOR
No. 176,845. Patented May 2, 1876



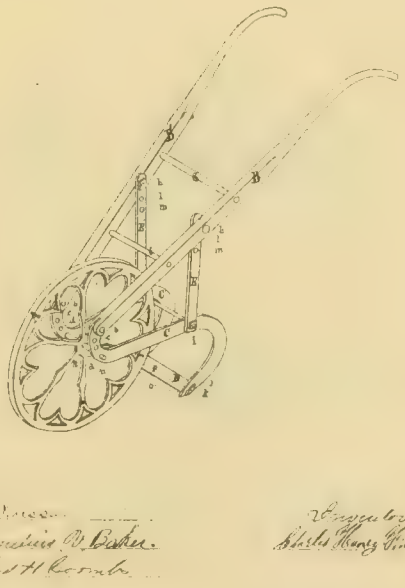
M. JOHNSON.
GARDEN-WEEDER.
No. 176,963. Patented May 2, 1876.



W. L. MAYS & A. B. TIGRETT.
HAND-PLOW.
No. 177,262. Patented May 9, 1876.



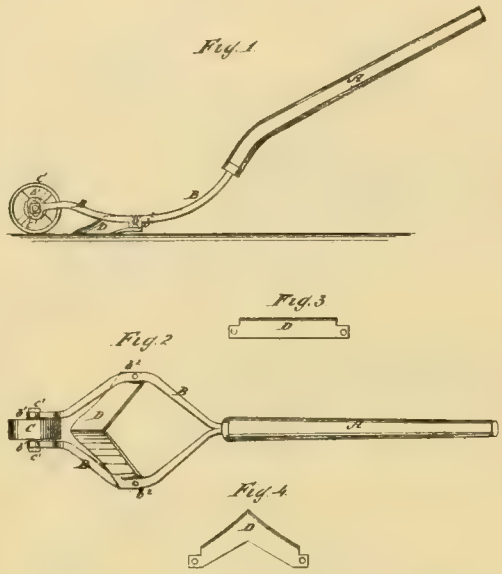
C. H. FINSON.
WHEEL-HOE.
No. 177,390 Patented May 16, 1876.



R. VAMPILL.

WHEEL-HOE.

No. 181,380. Patented Aug. 22, 1876.



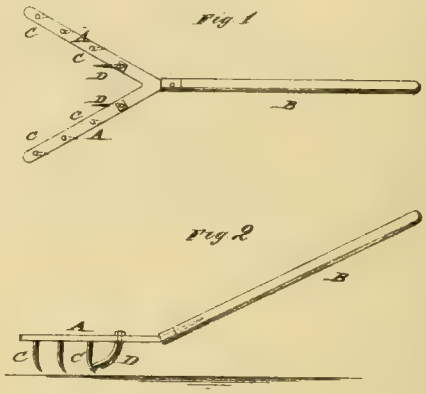
WITNESSES:
E. Wolff
John Goetsch

INVENTOR:
R. Vampill
BY Munn & Co.
ATTORNEYS.

J. S. LUCAS.

HAND-CULTIVATOR.

No. 182,374. Patented Sept. 19, 1876.



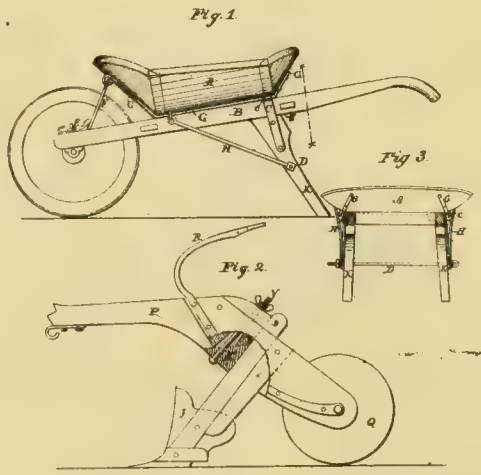
WITNESSES:
H. W. Arrington
John Goetsch

INVENTOR:
J. S. Lucas
BY Munn & Co.
ATTORNEYS.

J. D. O'CALLAGHAN.

COMBINED WHEELBARROW AND GARDEN CULTIVATOR.

No. 186,606. Patented Jan. 23, 1877.



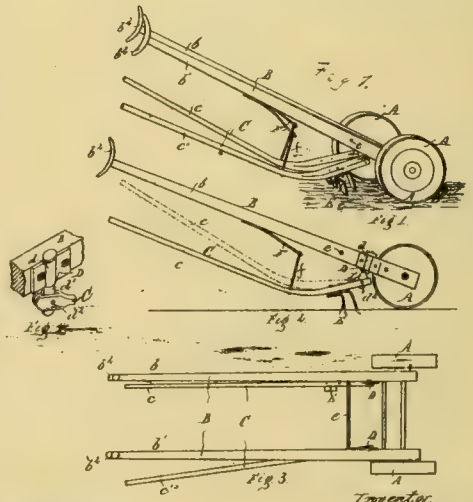
Witnesses:
G. E. Bolg
S. E. Bolg

Inventor:
J. D. O'Callaghan

J. W. BOWLER.

HAND-CULTIVATOR.

No. 187,222. Patented Feb. 13, 1877.



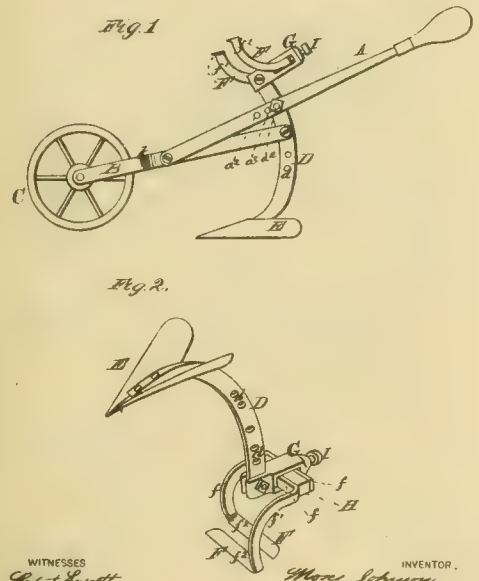
Witnesses
J. H. Kuthel
Chas. E. Mizer

Inventor
Joseph W. Bowler
per Munn & Co.
Atty.

2 Sheets—Sheet 1.

M. JOHNSON.
HAND GARDEN WEEDER.

No. 188,917. Patented March 27, 1877.



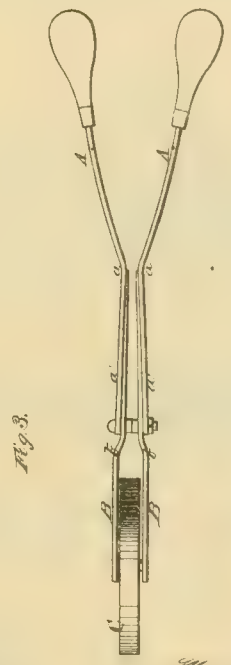
WITNESSES
Robert Everett
George E. Upham.

INVENTOR.
Moses Johnson.
Gilmore, Smith & Co.
ATTORNEYS.

2 Sheets—Sheet 2.

M. JOHNSON.
HAND GARDEN WEEDER.

No. 188,917. Patented March 27, 1877.

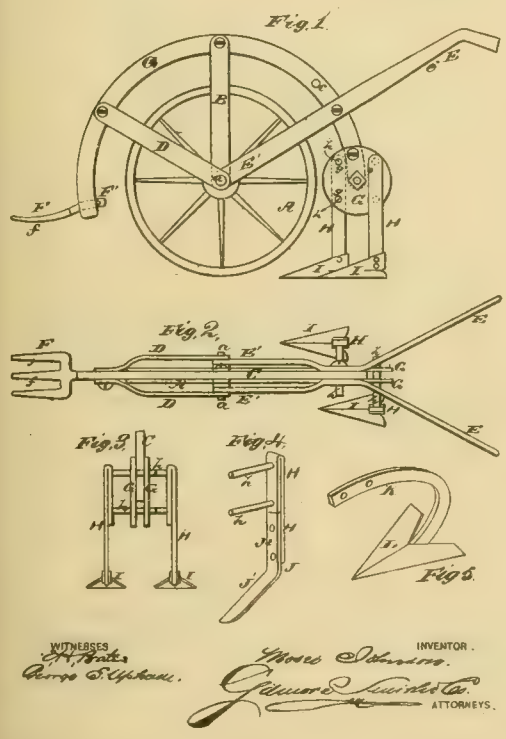


WITNESSES
Robert Everett
George E. Upham.

INVENTOR.
Moses Johnson.
Gilmore, Smith & Co.
ATTORNEYS.

M. JOHNSON.
DIGGER AND WEEDER.

No. 192,697. Patented July 3, 1877.

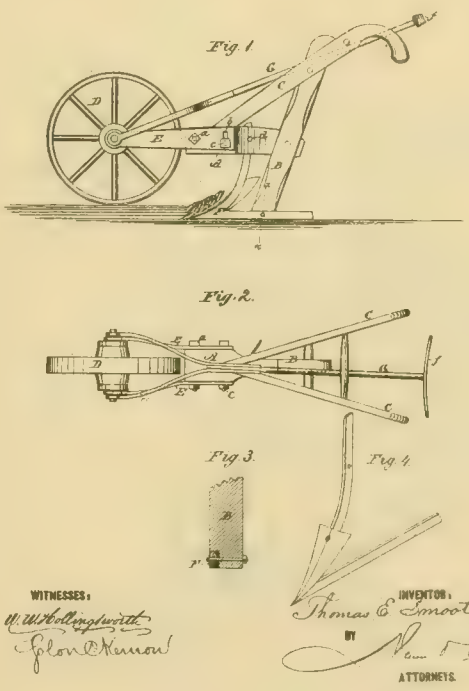


WITNESSES
George E. Upham.

INVENTOR.
Moses Johnson.
Gilmore, Smith & Co.
ATTORNEYS.

T. E. SMOOT.
GARDEN-PLOWS.

No. 194,007. Patented Aug. 7, 1877.

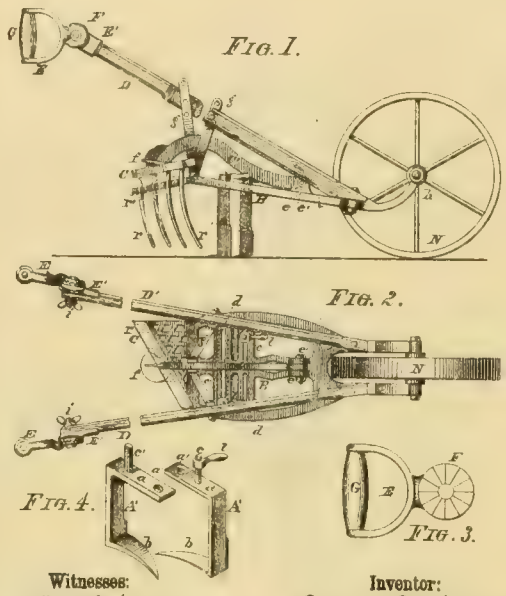


WITNESSES:
W. W. Hollingsworth
Solon O. Kemon

INVENTOR:
Thomas E. Smoot
BY
ATTORNEYS.

E. RUHLMANN
GARDEN WHEEL-HOES.

No. 194,977. Patented Sept. 11, 1877.

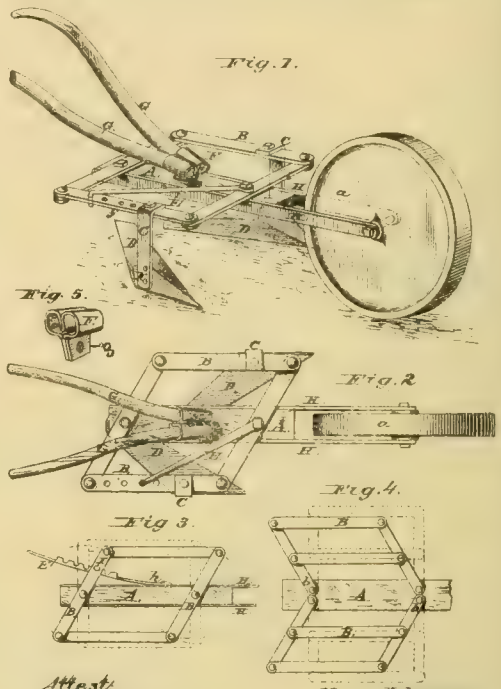


Witnesses:
Frank Kusch
Chas. Brosart

Inventor:
Eugene Ruhlmann.
per Michael A. Stark
Atty.

M. JOHNSON.
Garden-Weeder.

No. 197,731. Patented Dec. 4, 1877.

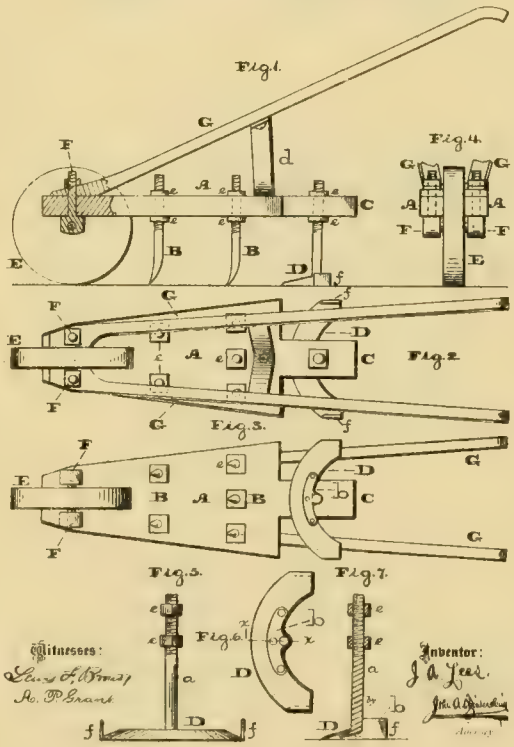


Attest:
H. C. Ufferman

Moses Johnson.
Inventor.
By Myers & Co

J. A. LEES.
Weed-Cutter.

No. 198,129. Patented Dec. 11, 1877.

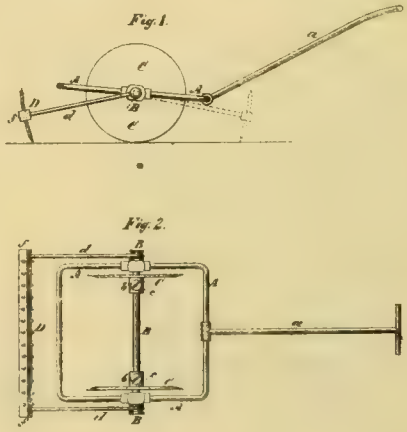


Witnesses:
Geo. P. Grant

Inventor:
J. A. Lees.

G. KINGSLAND.
Strawberry-Vine Cutter.

No. 202,951. Patented April 30, 1878.

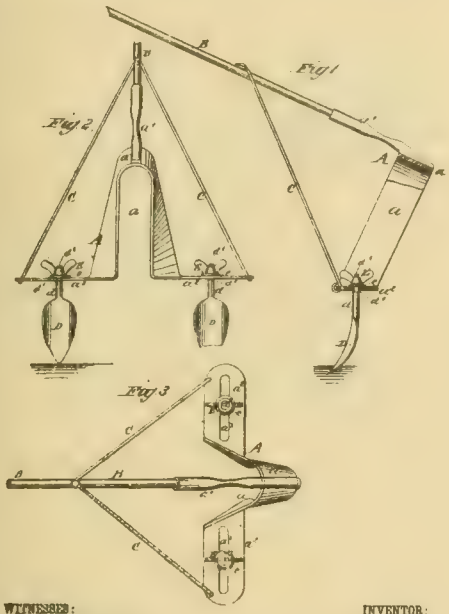


Witnesses:
Henry Dihling
H. Wells Jr.

Inventor:
George Kingsland
per Jamie A. Whitney Atty

C. W. FOLEN.
Garden-Hoe.

No. 203,643. Patented May 14, 1878.

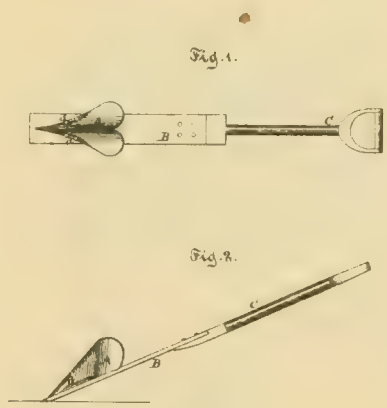


WITNESSES:
Francis McCredie
E. Bergquick

INVENTOR:
C. W. Folen
BY Munn & Co
ATTORNEYS.

C. FEY.
Malt-Plow.

No. 207,495. Patented Aug. 27, 1878.

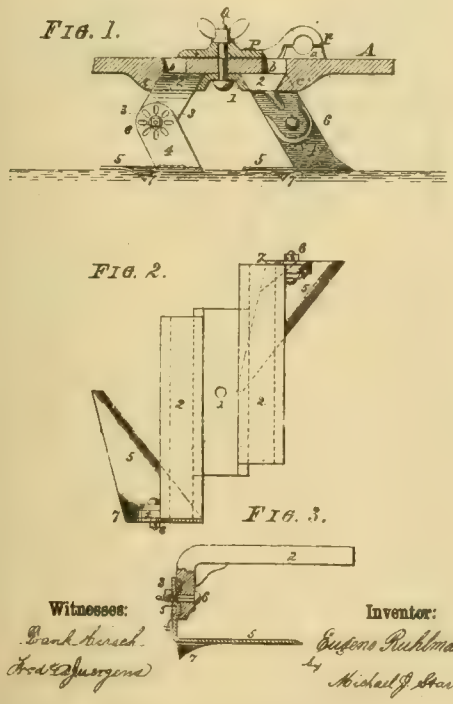


Witnesses.
J. H. Bailey
Hy. Bruggema

Inventor.
Charles Fey
per
Van Santvoord & Huff
Attys

E. RUHLMANN.
Cultivator.

No. 212,575. Patented Feb. 25, 1879.

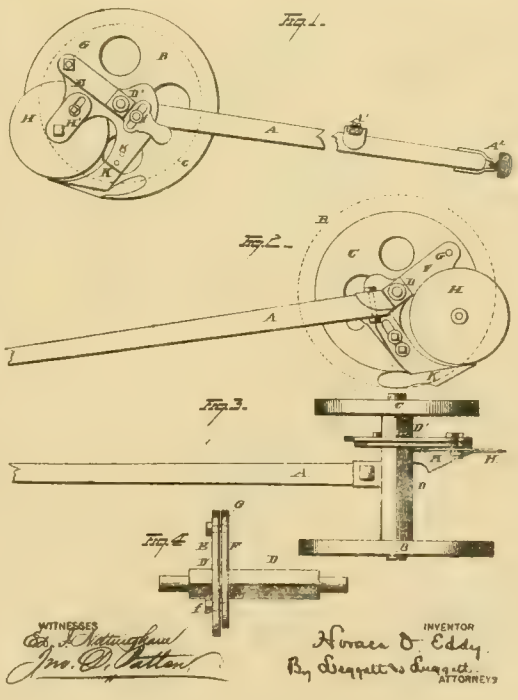


Witnesses:
Frank Hirsch
Fred Zuergema

Inventor:
Eugene Ruhlmann
by
Michael J. Stark Atty

H. D. EDDY.
Sod-Trimmer.

No. 214,496. Patented April 22, 1879.



WITNESSES
Ed. F. Nottingham
Jno. D. Patten

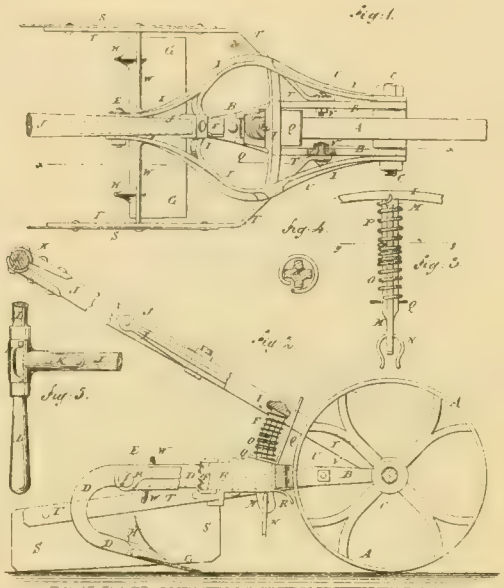
INVENTOR
Horace D. Eddy
By Siggett & Siggett
ATTORNEYS

(No Model.)

H. B. SHERWOOD.

Hand Cultivator.

No. 237,057. Patented Jan. 25, 1881.



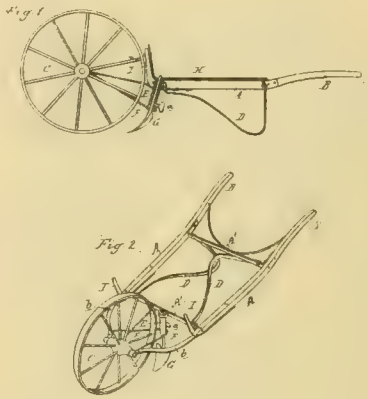
WITNESSES: INVENTOR: BY ATTORNEYS.

(No Model.)

W. W. KELLY.

COMBINED WHEELBARROW AND CULTIVATOR.

No. 258,305. Patented May 23, 1882.



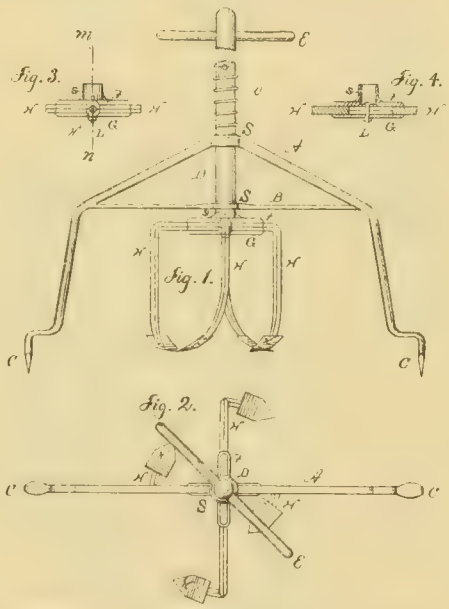
Witness: Inventor: Walter W. Kelly per Thos. J. Sprague Atty.

(No Model.)

B. COLVIN.

ROTARY HAND CULTIVATOR.

No. 264,138. Patented Sept. 12, 1882.



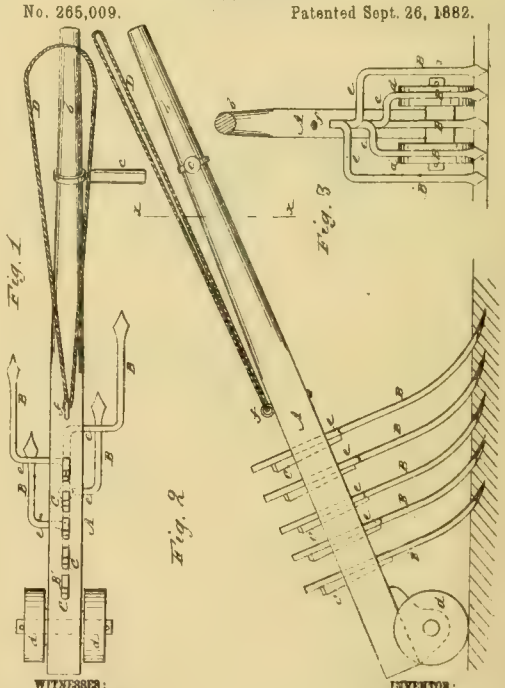
WITNESSES INVENTOR ATTORNEY

(No Model.)

W. BLAKE.

CULTIVATOR.

No. 265,009. Patented Sept. 26, 1882.



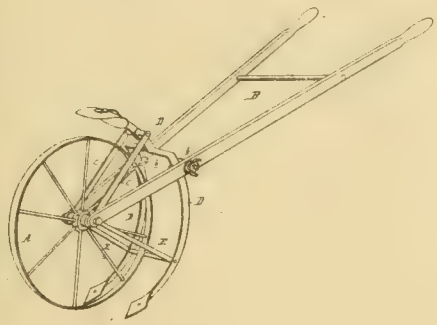
WITNESSES: INVENTOR: BY ATTORNEYS.

(No Model.)

W. C. KELLY.

REVERSIBLE BARROW CULTIVATOR.

No. 266,697. Patented Oct. 31, 1882.



Attest
A. Buckel
N. J. Springer

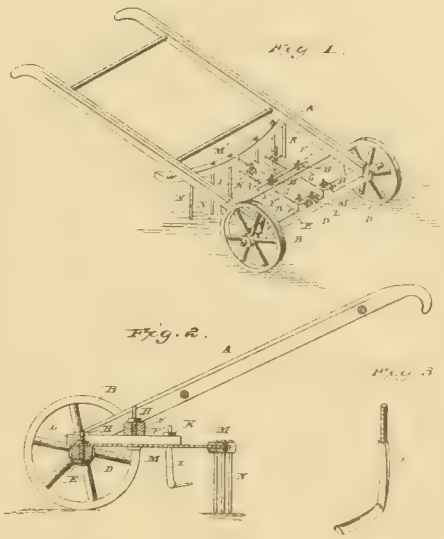
Inventor.
Wallace C. Kelly
per Thos. S. Sprague
Atty.

(No Model.)

M. H. FULLER.

WEEDING MACHINE.

No. 266,956. Patented Oct. 31, 1882.



Witnesses.
Edward L. Yemell
J. J. McCarthy

Inventor.
Hugh H. Fuller
By E. W. Blackmar
Attorney

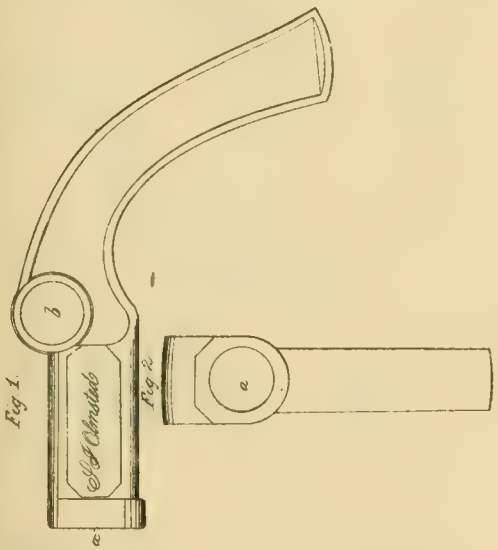
HANDLES.

	Plate	*Claim*		*Plate*	*Claim*		*Plate*	*Claim*
Allen, W. B.	415	248	Friberg, A.	412	247	Pope, S. W.	413	247
Babcock, W. S.	414	248	Gibbs, L.	416	248	Potter, J. C.	414	247
Bigelow, D. F.	416	248	Hacke, F.	417	249	Raftery, J. T.	413	247
Bissel, T. M.	417	249	Huff, E. S.	412	247	Watt, G.	411	247
Brown, W. P.	416	248	Laughlin, J. L.	413	247	Weaver, W.	414	248
Burghardt, J. H.	415	248	Miles, W. A.	417	249	Wiard, E.	412	247
Clark, J. M.	417	249	Moore, J. A.	411	247	Wiard, E.	412	247
Couch, W. A.	414	248	Morgan, L. B.	415	248	Williams, C.	411	247
Finnegan, J.	416	248	Olmsted, S. J.	411	247	Wyche, W. E.	413	247

S. J. Olmsted,

Plow.

No. 42,220. Patented Apr. 5. 1864.



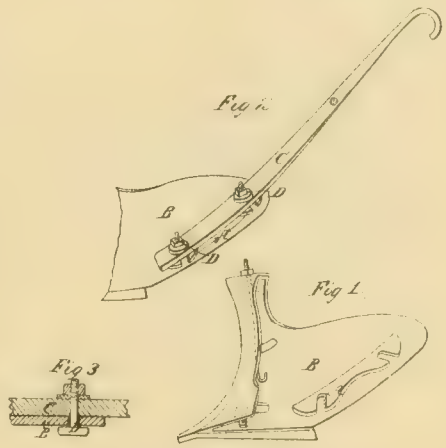
Witnesses.
Geo. C. Lambright
T. Smith

Inventor.
S. J. Olmsted
by Atty T. T. Everett

J. A. Moore,

Plow.

No 59,437. Patented Nov. 6. 1866.



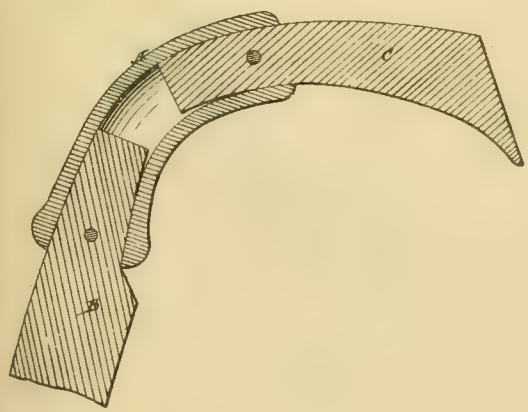
Witnesses.
George J. Ellis
W. Clayton

Inventor.
Jos. A. Moore
by Atty
H. C. Clayton

G. WATT.

Plow-Handle.

No. 64,464. Patented May 7, 1867.



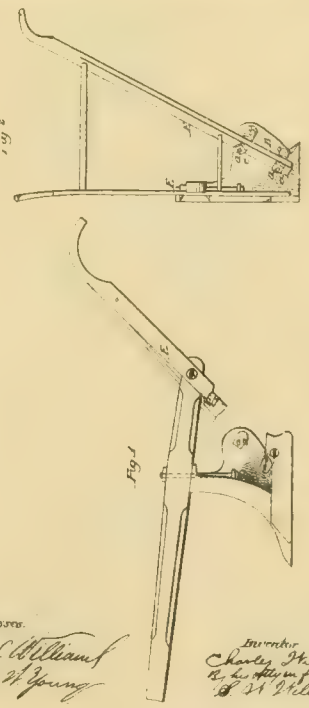
Witnesses.
Geo. H. Hopkinson
N. E. Ellsworth

Inventor.
Munn & Co. Attys
for Geo. Watt
By O. Knight, Supt.

C. Williams.

Plow.

No. 79,532. Patented Jun. 30, 1868



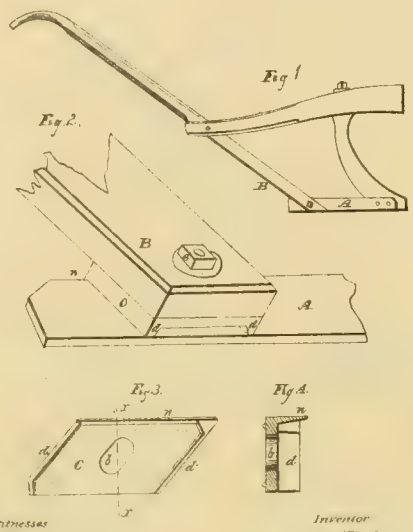
Witnesses.
Thos. S. Williams
Jacob W. Young

Inventor.
Charles Williams
by his Atty in fact
S. M. Williams

A. FRIBERG.

Plow.

No. 82,934. Patented Oct. 13, 1868



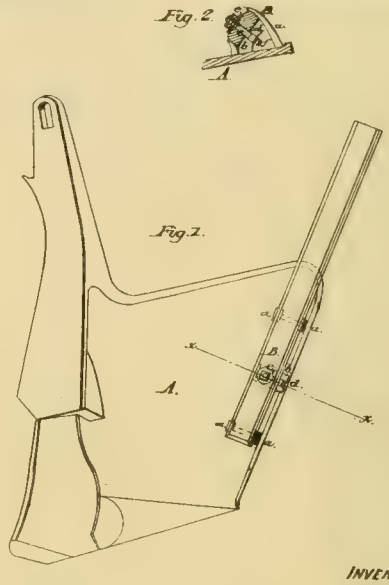
Witnesses
P. T. Dodge
L. Hailer

Inventor
A. Friberg
by Dodger & Munn
his Attys.

E. Wiard.

Side-Hill Plow.

No. 85,162. Patented Dec. 22, 1868.



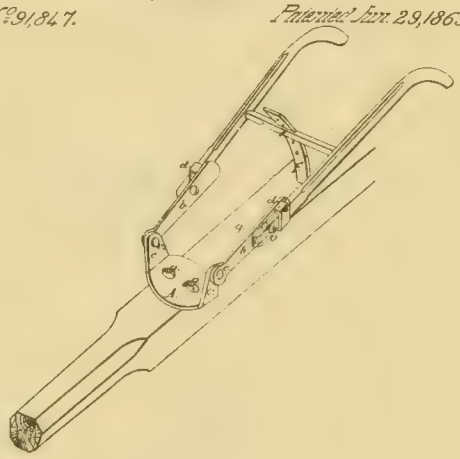
WITNESSES:
H. Munnecke
Wm. A. Morgan.

INVENTOR.
E. Wiard.
per Munn & Co.
Attorneys.

E. S. Huff.

Cultivator.

No. 91,847. Patented Jun. 29, 1869.



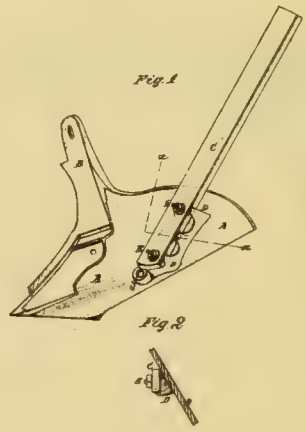
Witnesses:
Chas. Lofgren
Jos. S. Allen.

Inventor:
E. S. Huff
By his attorneys
Furstand & Co.

E. Wiard,

Plow.

No. 102,071. Patented Apr. 19, 1870.



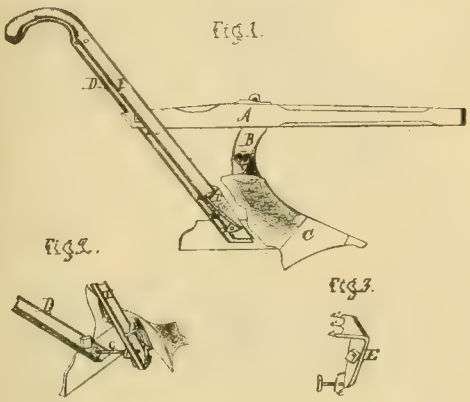
Witnesses:
A. W. Kingsland
Edgar Tate

Inventor:
E. Wiard
per Munn & Co.
Attorneys.

S. W. POPE.

Plow Handle.

No. 102,860. Patented May 10, 1870



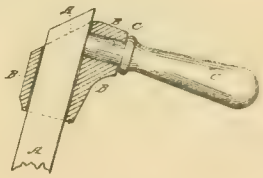
Witnesses
J. J. Royce
H. H. Sidney

Inventor
S. W. Pope by
H. W. Bartlett atty.

W. E. WYCHE.

Plow Handle.

No. 108,671. Patented Oct. 25, 1870.



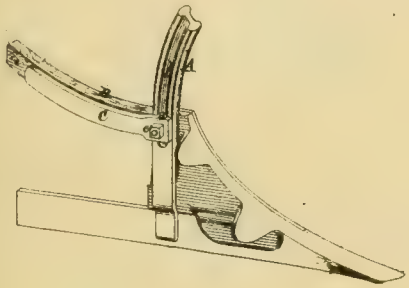
WITNESSES
Gustave Dulmch
Jno. F. Brooks

INVENTOR:
W. E. Wyche
Per Munn & Co
attorneys.

JOHN L. LAUGHLIN.

Improvement in Attaching Handles to Plows.

No. 115,069. Patented May 23, 1871.



Witnesses:
Julius Wilke
H. L. Rogers

Inventor:
J. L. Laughlin
per Attorney
Thos. S. Sprague

J. T. RAFTERY.

Plow-Handles.

No. 138,434. Patented April 29, 1873

Fig. 1.

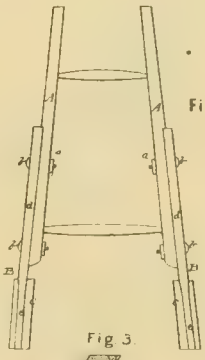


Fig. 2.

Fig. 3

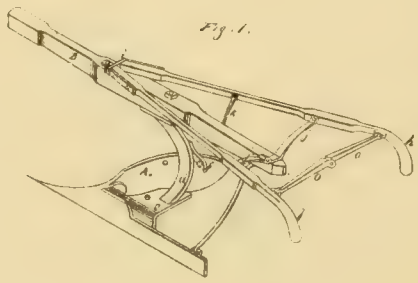
WITNESSES.

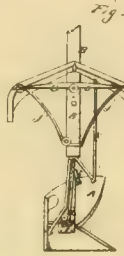
INVENTOR.

J. C. POTTER.

Plows.

No. 140 302 Patented June 24, 1873.





Witnesses

John H. Brown

C. M. Richardson

Inventor

John C. Potter

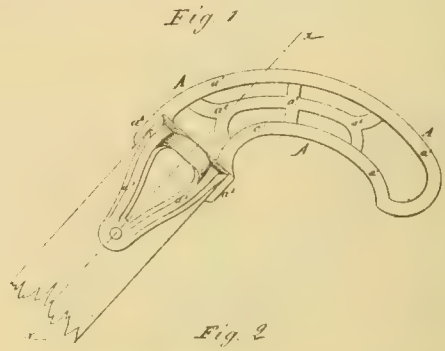
per Bracey & Co.

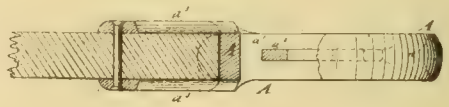
Attys

W. A. COUCH.

PLOW-HANDLE.

No. 172,394. Patented Jan. 18, 1876.





WITNESSES:

E. Nixon

A. F. Terry

INVENTOR:

W. A. Couch

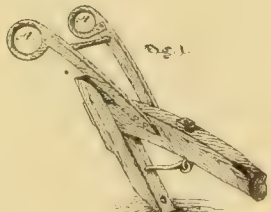
BY Munn & Co.

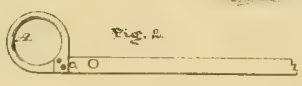
ATTORNEYS.

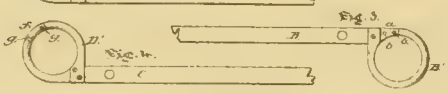
W. S. BABCOCK.

PLOW AND CULTIVATOR HANDLES.

No. 174,055. Patented Feb. 29, 1876.







Witnesses

Edwin A. Morgan

Lewis B. Morgan,

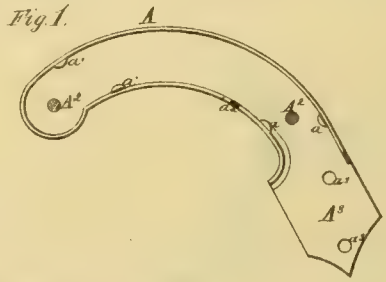
Inventor

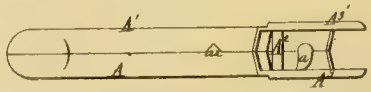
William S. Babcock

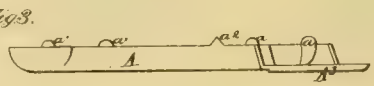
W. WEAVER.

PLOW-HANDLE TIPS.

No. 187,684. Patented Feb. 20, 1877.







WITNESSES

Robert Everett

Geo. E. Upham

INVENTOR.

William Weaver.

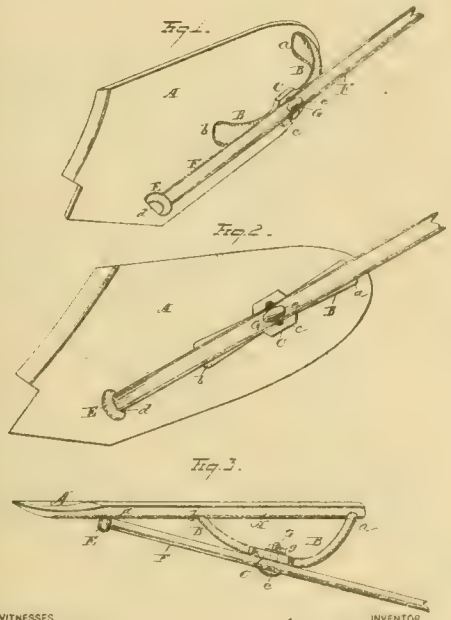
Munn & Co.

ATTORNEYS.

2 Sheets—Sheet 1.

W. B. ALLEN.
Plow.

No 214,272. Patented April 15, 1879.



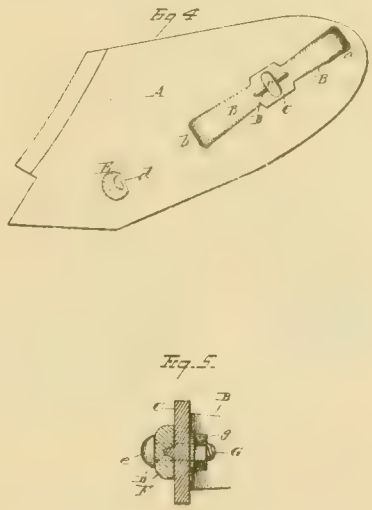
WITNESSES
E. J. Nottingham
A. M. Bright

INVENTOR
Wm B. Allen.
By H. A. Seymour
ATTORNEY

2 Sheets—Sheet 2.

W. B. ALLEN.
Plow.

No. 214,272. Patented April 15, 1879.

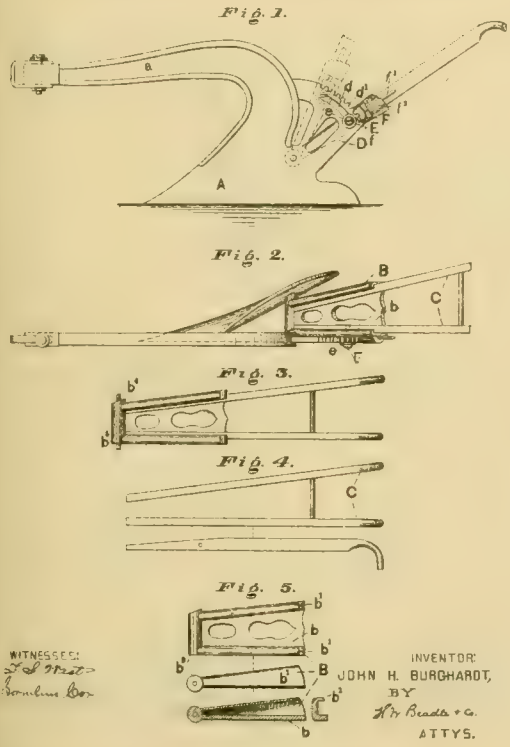


WITNESSES
E. J. Nottingham
A. M. Bright

INVENTOR
Wm B. Allen.
By H. A. Seymour
ATTORNEY

J. H. BURGHARDT.
Plow.

No. 214,487. Patented April 22, 1879.

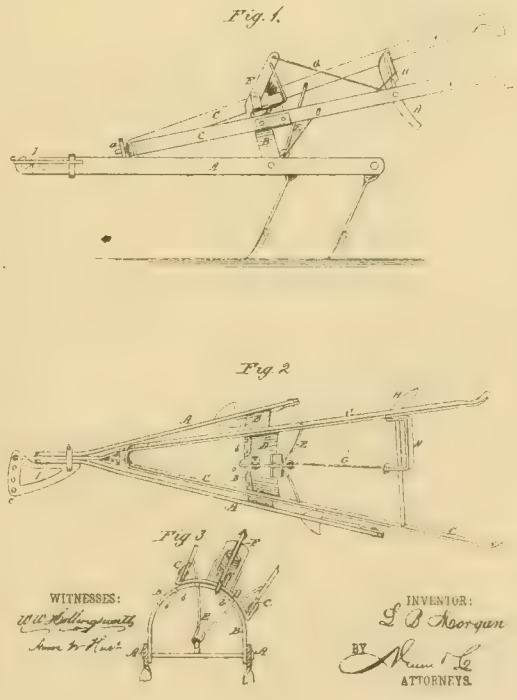


WITNESSES:
L. S. Mott
Louis Bon

INVENTOR:
JOHN H. BURGHARDT,
BY
H. T. Brooks & Co.
ATTYS.

L. B. MORGAN.
Plow and Cultivator Handles.

No. 226,535. Patented April 13, 1880.



WITNESSES:
W. W. Hollingsworth
Jno. H. Hill

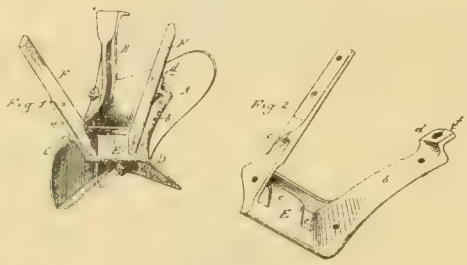
INVENTOR:
L. B. Morgan
BY
Wm. C. Le
ATTORNEYS.

(No Model.)

J. FINNEGAN.

Plow.

No. 236,881. Patented Jan. 25, 1881.



Attest.
T. Burchel
T. Paul Mayo.

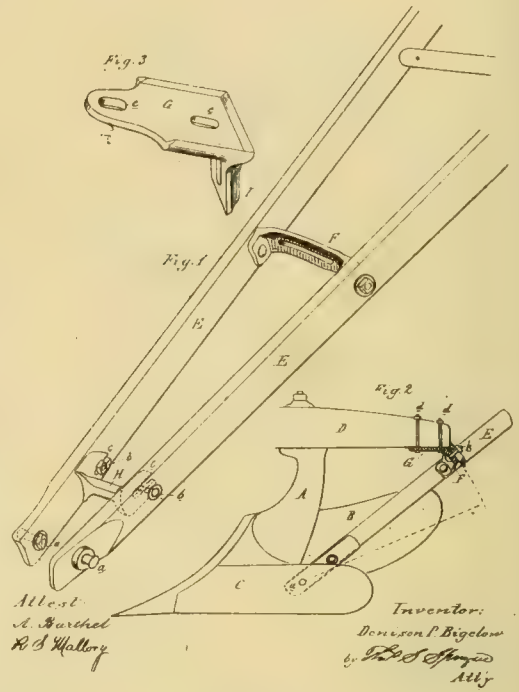
Inventor:
John Finnegan
by Thos. S. Sprague
Atty

(No Model.)

D. P. BIGELOW.

PLOW.

No. 252,419. Patented Jan. 17, 1882.



Attest.
A. Burchel
R. S. Halloy

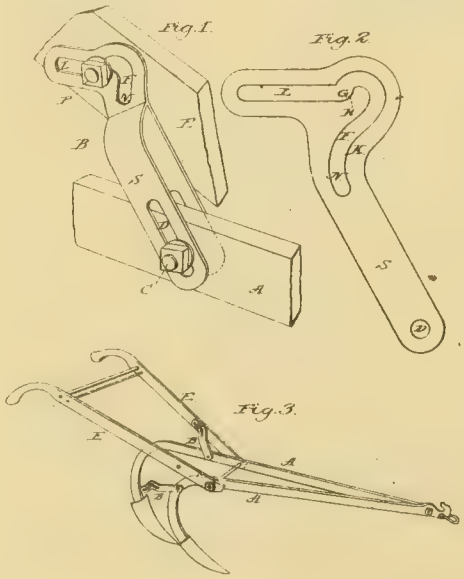
Inventor:
Denison P. Bigelow
by Thos. S. Sprague
Atty

(Model.)

W. P. BROWN.

PLOW HANDLE.

No. 252,722. Patented Jan. 24, 1882.



WITNESSES
Willis Anderson
H. Sp. Willcox

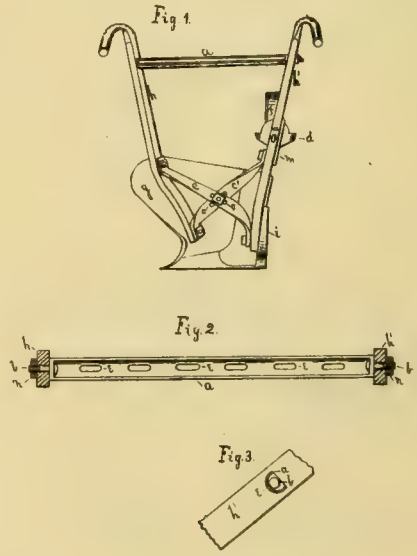
INVENTOR
W. P. Brown
by Anderson & Spurlock
ATTORNEYS

(No Model.)

L. GIBBS.

PLOW.

No. 259,126. Patented June 6, 1882.



Witnessed
Jame A. Hollcomb
George F. Robinson

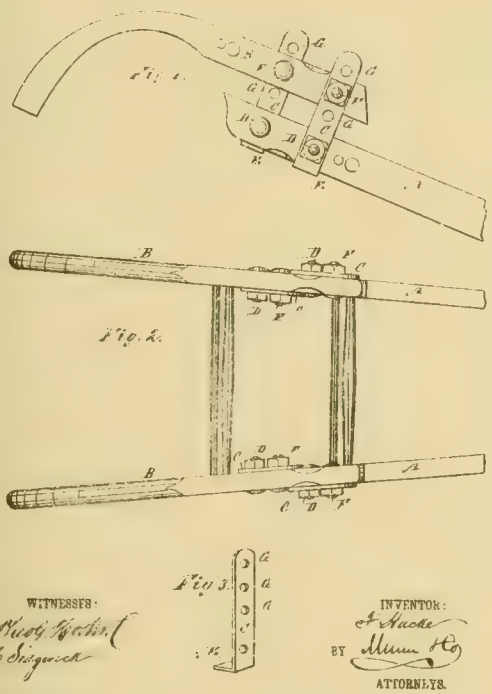
Inventor
Lewis Gibbs
by Bradford Howland
Attorney

(Model.)

F. HACKE.

PLOW HANDLE.

No. 259,133. Patented June 6, 1882.



WITNESSES:

INVENTOR:

BY

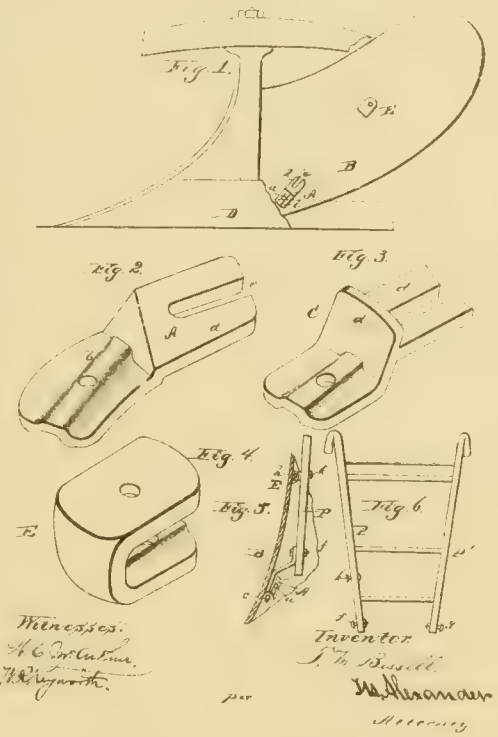
ATTORNEYS.

(No Model.)

T. M. BISSELL.

PLOW HANDLE.

No. 260,642. Patented July 4, 1882.



Witnesses.

Inventor.

per

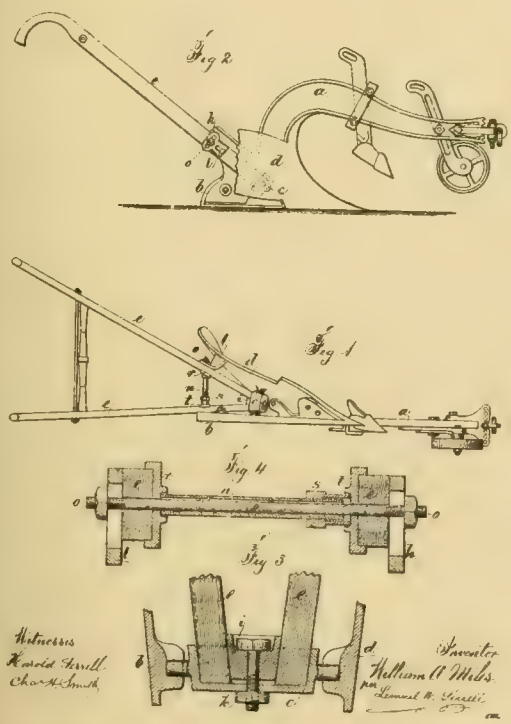
Attorney

(No Model.)

W. A. MILES.

ATTACHING PLOW HANDLES.

No. 267,443. Patented Nov. 14, 1882.



Witnesses

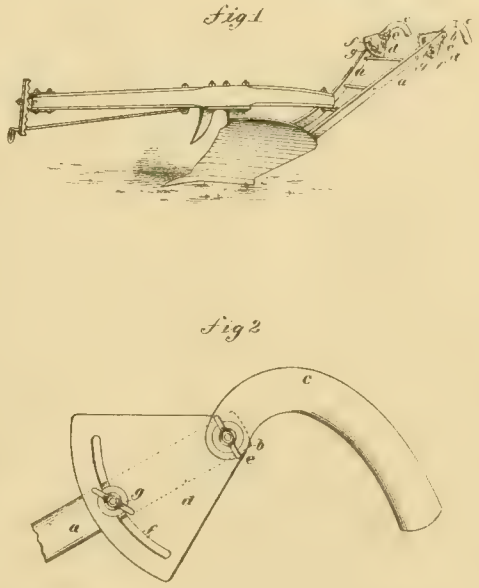
Inventor

(Model.)

J. M. CLARK.

ADJUSTABLE AND DETACHABLE HANDLE FOR PLOWS, &c.

No. 267,837. Patented Nov. 21, 1882.



WITNESSES:

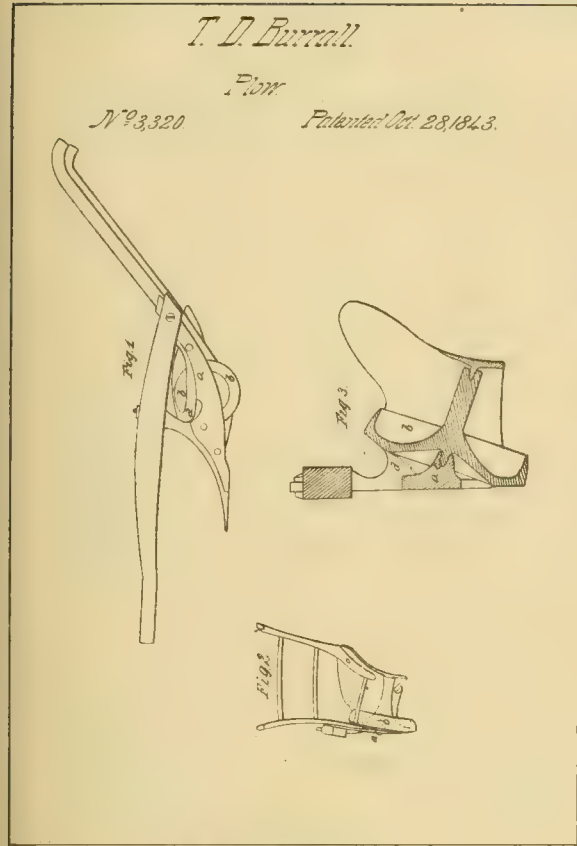
INVENTOR:

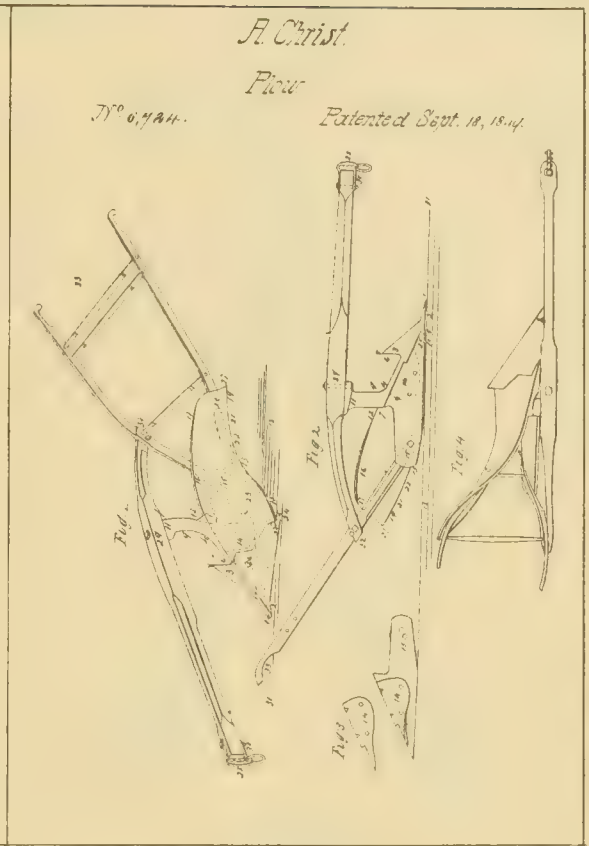
BY

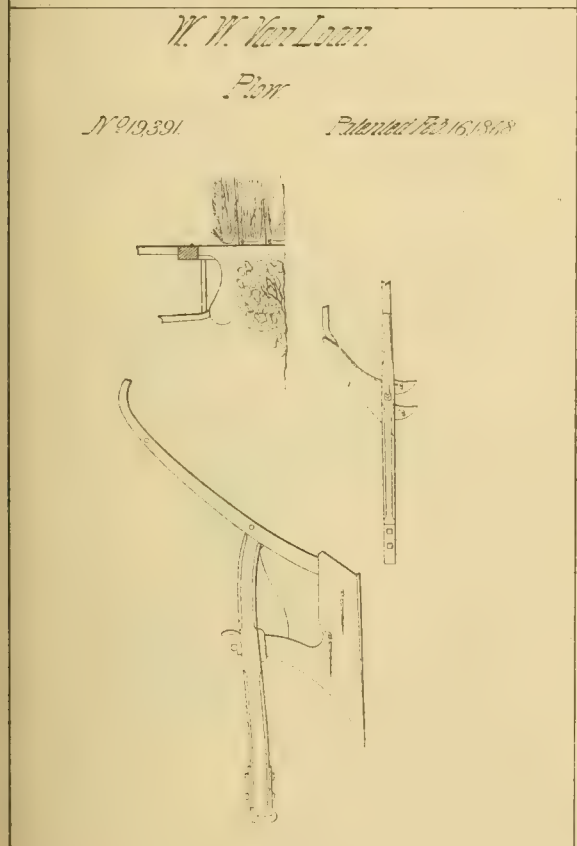
ATTORNEYS.

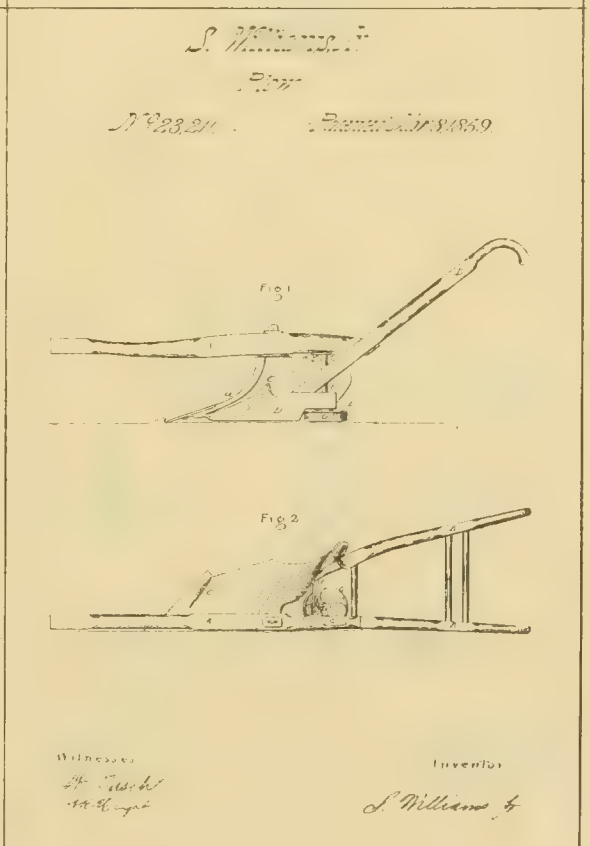
LANDSIDES.

	Plate	Claim		Plate	Claim		Plate	Claim
Bacon, J.	424	260	Harding, W. E.	423	259	Reese, E.	425	260
Benton, J. F.	424	260	Holland, J. J.	426	260	Robarts, J. L.	422	259
Benton, J. F.	425	260	Humphrey, D. F.	422	259	Rouse, B. C.	423	260
Bowen, J. D.	423	259	Koffend, J.	424	260	Schram, A. C.	425	260
Burrall, T. D.	421	259	Mason, J. R.	422	259	Sprouse, W. T.	423	259
Christ, A.	421	259	Omlstead, S. J.	422	259	Van Loan, W. W.	421	259
Fitzer, J. G.	424	260	Opp, H.	425	260	Williams, S. Jr.	421	259


T. D. Burrall.
Plow.
No 3,320
Patented Oct. 28, 1843.
Fig 1
Fig 3
Fig 2


A. Christ.
Plow
No 6,744.
Patented Sept. 18, 1849.
Fig 1
Fig 2
Fig 3
Fig 4

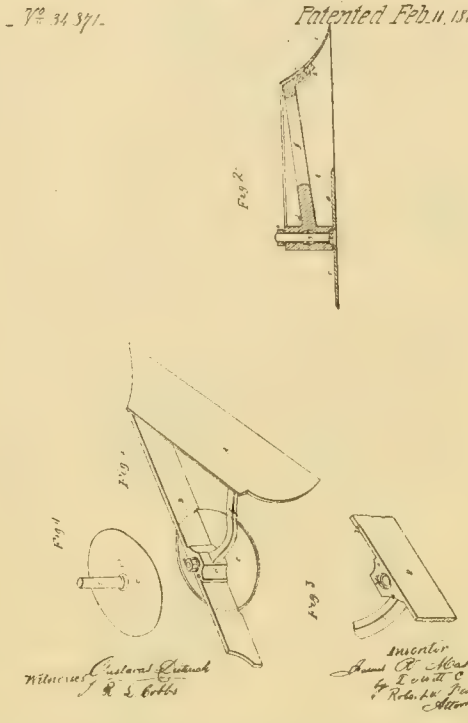

W. W. Van Loan.
Plow
No 19,391.
Patented Feb 16, 1858


Plow
Fig 1
Fig 2
Witnesses
Inventor
S. Williams Jr

J. R. Mason.

Plow.

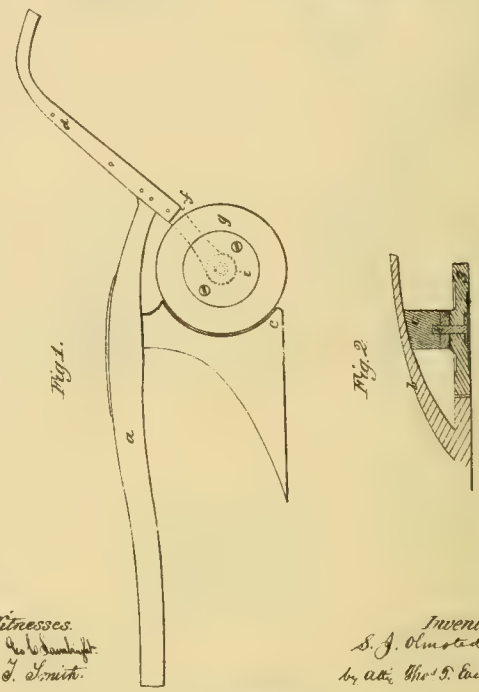
No. 34,371. Patented Feb. 11, 1862.



S. J. Olmsted.

Plow.

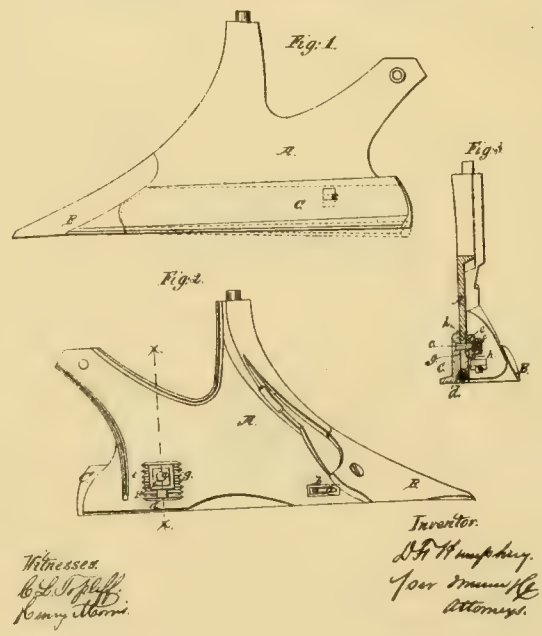
No. 37,939. Patented Mar. 17, 1863.



D. F. Humphrey.

Plow.

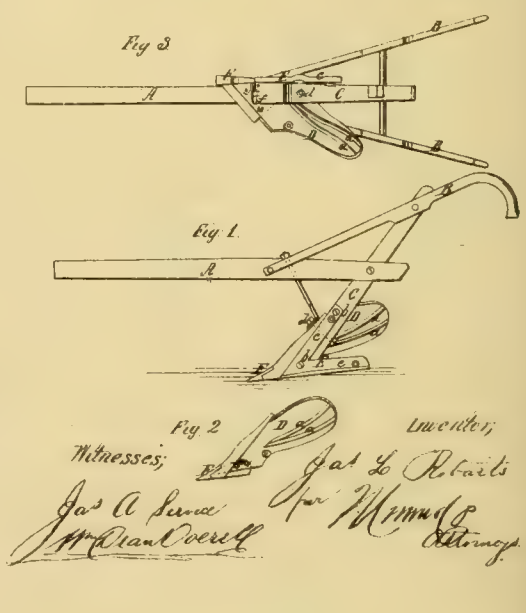
No. 46,362. Patented Feb. 14, 1865.



J. L. Roberts.

Plow.

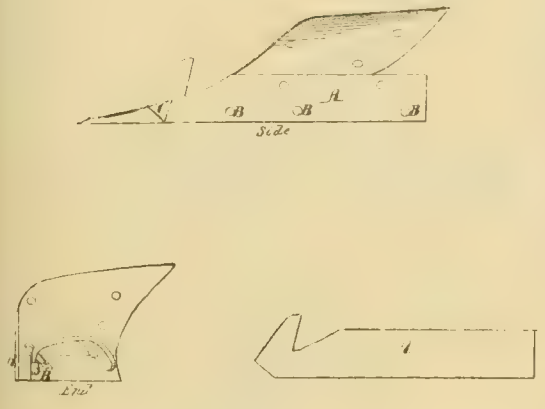
No. 59,078. Patented Oct. 23, 1866.



J. D. BOWEN.

Plow.

No. 66,939 Patented July 23, 1867.



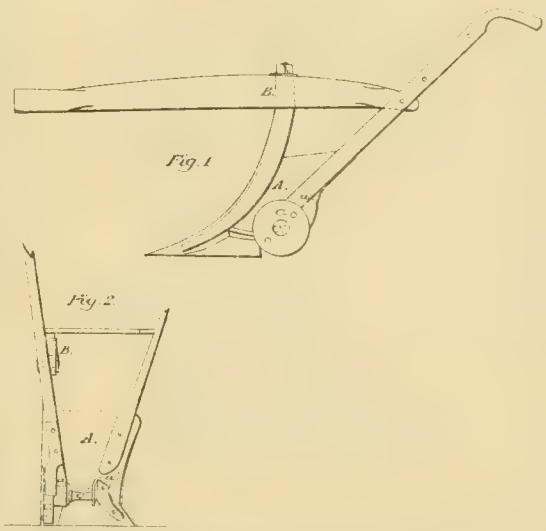
Witnesses,
H. C. Hunter
S. W. Crane

Inventor,
John D. Bowen

M. E. Hardin.

Plow.

No. 67,756. Patented Aug. 13, 1867.



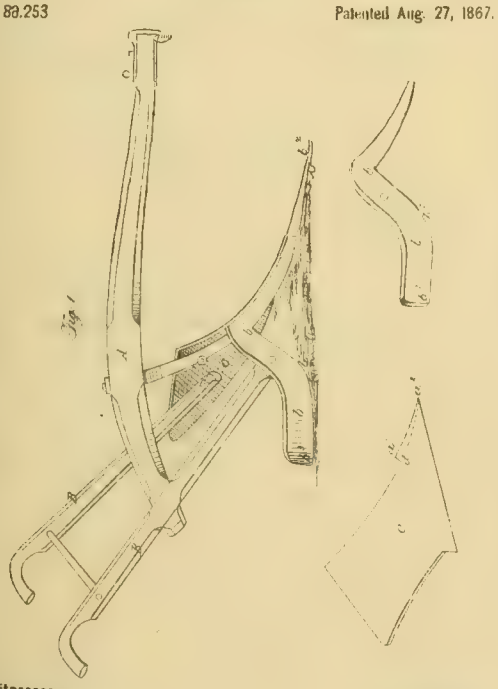
Witnesses.
Thos. J. Kneidge
Chas. H. Boyle

Inventor.
M. E. Hardin

W. T. SPROUSE.

Plow.

No. 88,253 Patented Aug. 27, 1867.



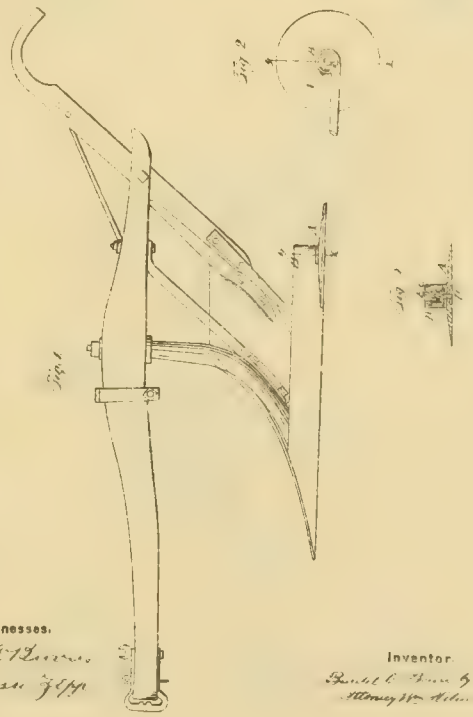
Witnesses.
Thos. J. Kneidge
Chas. H. Boyle

Inventor.
Wm. T. Sprouse

B. C. ROUSE.

Plow.

No. 68,313. Patented Aug. 27, 1867.



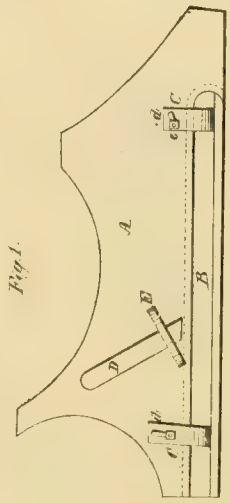
Witnesses.
H. Barnes
Jesse Epp

Inventor.
Benjamin C. Rouse by his Attorney Wm. Arkins

J. BACON.

Plow.

No. 77,242. Patented April 28, 1868.



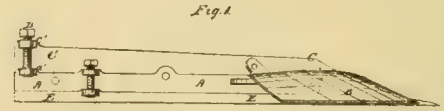
Witnesses
Wm a Morgan
W. C. Aldrich

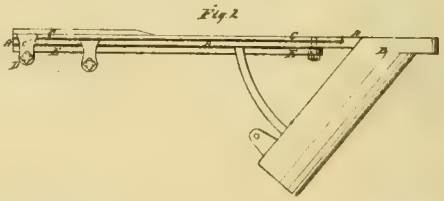
Inventor
Jerome Bacon
per Munn & Co
Attorneys

J. KOPFEND.

Plow.

No. 78,293 Patented May 26, 1868.





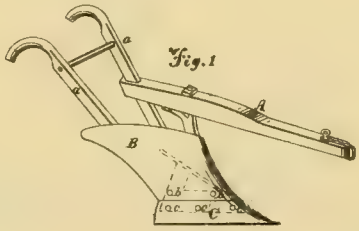
Witnesses
W. C. Aldrich
J. C. Fraser

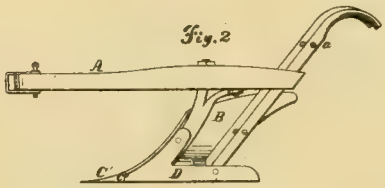
Inventor
Jno Koffend
per Munn & Co
Attorneys

J. G. FETZER.

Plow.

No. 80,859. Patented Aug. 11, 1868.





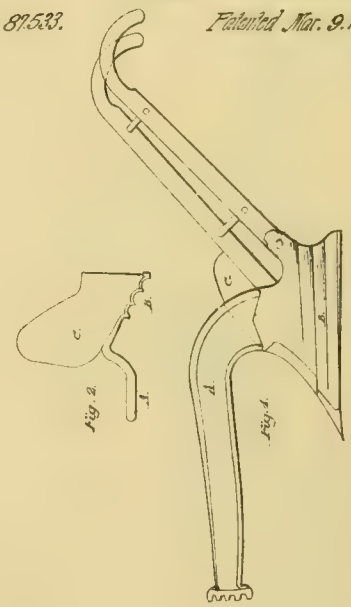
Witnesses.
H. Paul
Geo. W. Herbert

Inventor
J. G. Fetzer
By his Atty
(M. Randolph & Co

J. F. Benton,

Plow.

No. 87,533. Patented Mar. 9, 1869.



WITNESSES:
Jno. S. Sims
Chas. E. Hutchison

INVENTOR:
Jas. F. Benton

E. REESE.
Plows.

No. 135,363. Patented Jan. 28, 1873.

Fig. 1.

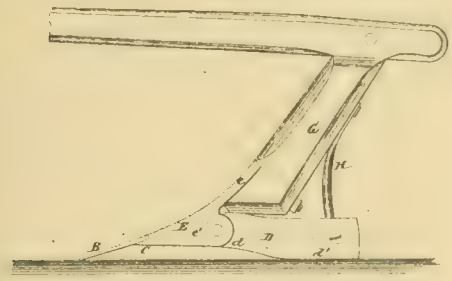
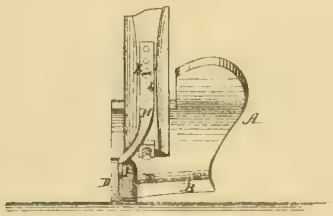


Fig. 2.



Witnesses:
J. Mortimer
Chas. A. Pettit

Inventor:
Edwin Reese
Per
Wm. H.
Attorneys.

J. F. BENTON.
Plows.

No. 142,074. Patented August 26, 1873.

Fig. 1.

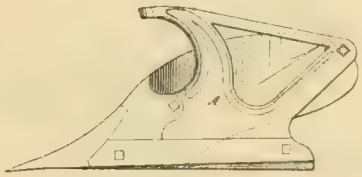
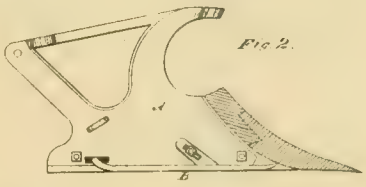


Fig. 2.



Witnesses
John L. Davis
Charles Hotchkiss

Inventor
James F. Benton.

H. OPP.
PLOWS.

No. 190,779. Patented May 15, 1877.

Fig. 1

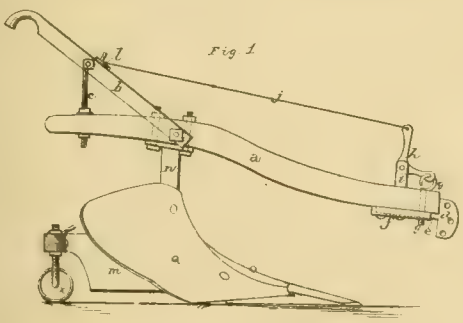


Fig. 2

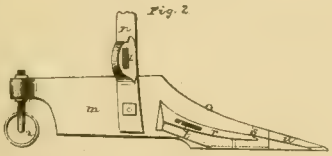


Fig. 3.

WITNESSES.
J. Wm. Turner
Albert J. de Groot

INVENTOR.
Henry Opp
per
F. A. Lehmann Atty

A. C. SCHRAM.
Plow.

No. 222,313. Patented Dec. 2, 1879.

Fig. 1

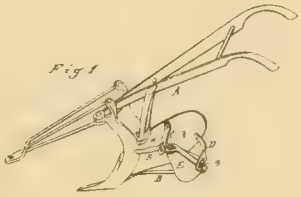
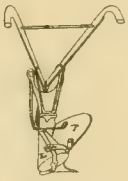


Fig. 2



Witnesses
A. Barthel
Charles J. Kunz

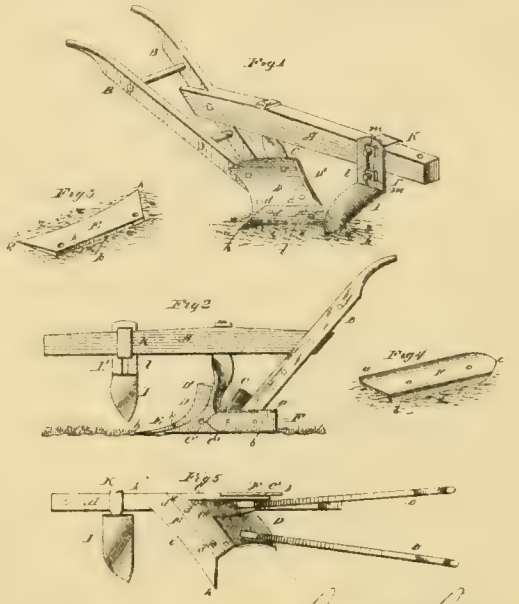
Inventor
A. C. Schram
by Atty
Pliny S. Spencer

(No Model.)

J. J. HOLLAND.

PLOW.

No. 249,727. Patented Nov. 15, 1881.



WITNESSES

Wm. G. Dutterich

Wm. R. Dunhamilton

Joseph J. Holland

INVENTOR,

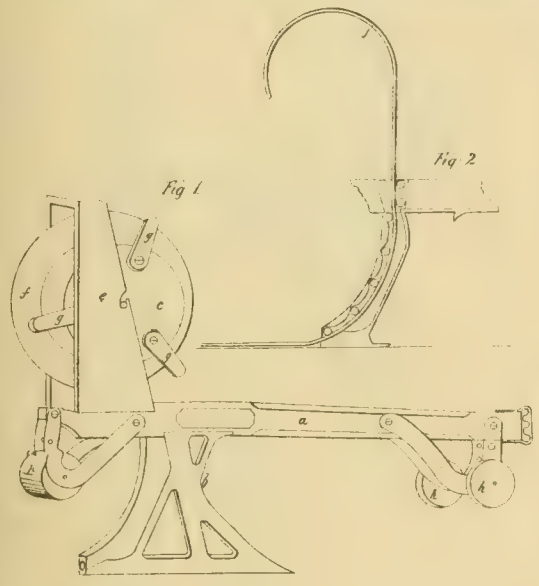
by his Attorney, Louis Bagger & Co.

	Plate	Claim
Adams, S.	440	275
Adair, J.	441	275
Atkinson, W. B	443	276
Bagley, H.	444	276
Baker, H. F.	435	273
Baker, H. F.	442	275
Bates, M.	431	271
" " (A. I.)	431	271
Ballard, H. H. and Mc Clure, H.	445	276
Barnett, J. R.	449	278
Bowers, A. Griggs J. H. and Wilson, J.	438	274
Briggs, B. B.	436	273
" " " (A. I.)	436	273
Bucklin, M.	433	272
Campbell, J. J.	451	279
Carrington, J.	432	271
Case, J.	430	271
Chamberlin, G.	448	278
Clemens, S. A.	447	277
Coil, T. G.	452	279
Cole, J. and Wall, A. L. O.	429	271
Cornell, E.	429	271
Cox, T. S.	434	272
Crandall, C. U., J. H. and Hawkins, A.	435	273
Creamer, J. and Ricards, T. W.	432	272
Creamer, J.	448	277
Critchet, M. H.	450	278
Critchett, M. H.	451	279
Defenbaugh, A.	430	271
Divelbiss, H. T. and Brasfield, J. S.	449	278
Elmer, A.	433	272
Elmer, A.	434	272
Elward, J. H.	444	276
" " " (R.)	444	276
Fudge, J. M., Holmes, F. M. and McDonald, S.	454	280
Gillet, H.	445	276
Goolman, W. P.	431	271
Goolman, W. P.	439	274
Grabo, C. G.	447	277
Green, L.	446	277
Griffin, G. L. and Carper, J. H.	440	275
Hamilton, E. M. and Earl, C. N.	455	280
Hamlet, W.	455	281
Hammer, J. A. and Gordon, J. P.	445	276
Hammond, A.	434	273
Hammond. A.	441	275
Hanon, J. Jr.	441	275
Hawkins, A. B. and Puntenney, J.	442	275
Hinckley, F. E.	538	274
Hobson, I.	435	273
Hoffhein, R.	450	278
Howell, M. A. Jr.	445	276
Hudgson, I.	442	275
Hughes, A. S.	455	281
Hussey R, and Thornburg, U. Sr.	436	273
Jerome H. R.	434	273
Jones, S. F.	437	274
Jones S. F.	446	277
Karr, A. M.	443	275
Kazar, L	443	276
Kline, C. B.	452	279
Lane, J.	439	274
Lee, J.	435	273
Lucas, D. T.	452	279
Marquiss A., E., C., and Emerson, C.	429	271
Metler, J. I.	449	278
Mettler, W. J. and J. I.	453	280
Mettler, W. J. and J. I.	454	280
Mettler, W. J. and J. I.	454	280
Miller, A.	433	272
Miller, J. C. and Clemens, S. A. and G. H.	436	273
Miller, A.	437	274
Miller, A,	447	277
Morrison, J.	437	274
Morton, E. H.	447	277
Nevill, G. W.	450	278
Nevison, J. and E.	430	271
Parish, E. and W. Jr.	439	274
Pratt, I. C.	439	274
Reynolds, S. H.	451	279
Robbins, D. F. and Morrison, S.	432	272
Roland, H. W. and Forbis, E.	432	272
Routt, A. P.	448	277
Scott, J.	451	279
Smith, R. P. and Gates, J. R.	446	277
Snyder, W. W.	452	279
Sparkes, J. H.	453	280
Stafford, C. W.	442	275
Stripe, I.	449	278
Sturdevant, O.	444	276
Swift, A.	453	280
Thorn, E.	437	274
Tyner, W. L.	453	280
Voorhis, O. W., Mapes, S. H. and Voorhis, W. M.	448	278
Wall, A. L. O. Roberts, G. and Carter, M. S.	440	275
Wall, A. L. O. Roberts, G. and Carter, M. S.	441	275
Wall, A. L. O. Roberts, G. and Carter, M, S.	443	276
Wasson, W. T.	455	281
Watson, D.	430	271
Watson, A.	431	271
Watson, A.	433	272
Watson, A.	440	275
Whitcomb, G.	438	274

E. Cornell.

Mole Plow.

No. 3,456. Patented Feb. 28, 1844.

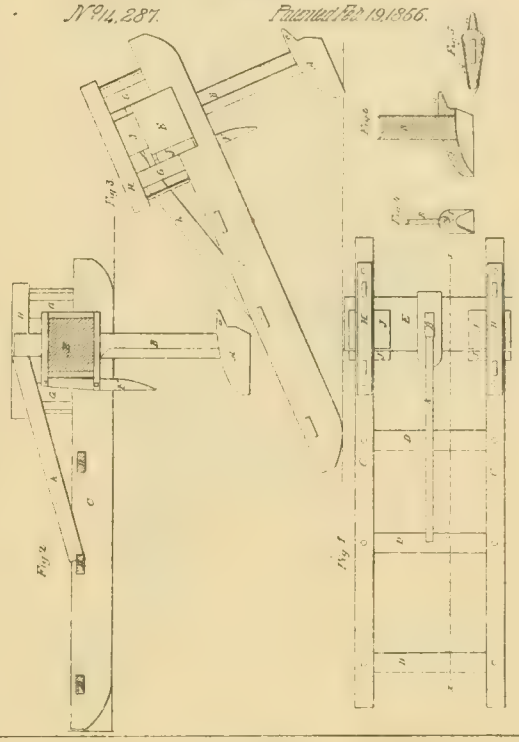


Sheet 1. 2 Sheets.

A. E. & C. Marquiss & C. Emerson.

Mole Plow.

No. 14,287. Patented Feb. 19, 1856.

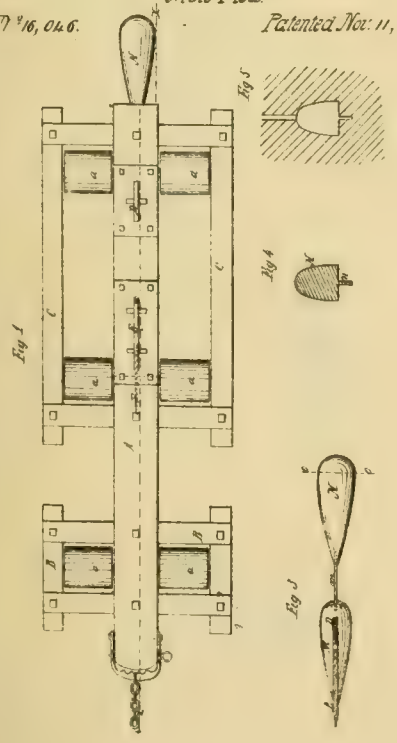


Sheet 1. 2 Sheets.

Cole & Wall.

Mole Plow.

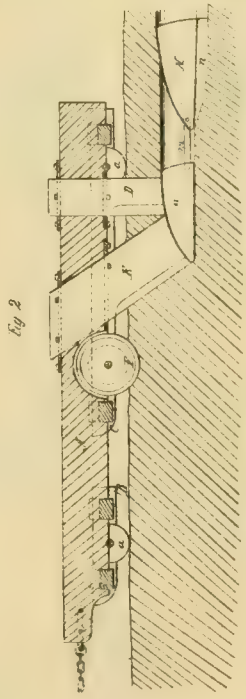
No. 16,046. Patented Nov. 11, 1856.



Cole & Wall.

Mole Plow.

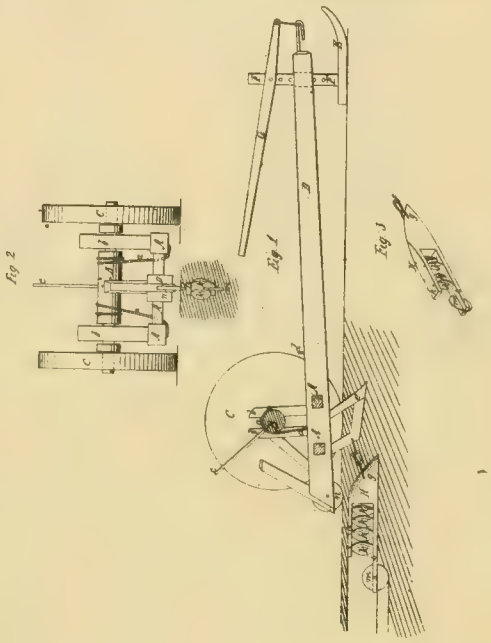
No. 16,046 Patented Nov. 11, 1856.



A. Defenbaugh.

Mole Plow.

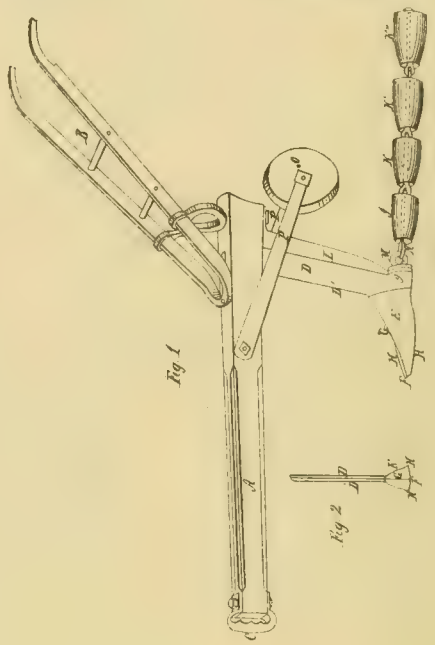
No. 21,491. Patented Sept. 14, 1858.



J. & E. Merrison.

Mole Plow.

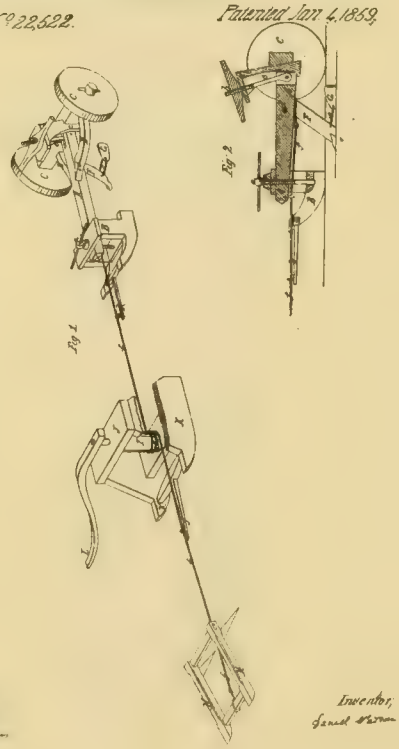
No. 22,194. Patented Nov. 30, 1858.



D. Watson.

Mole Plow.

No. 22,522. Patented Jan. 4, 1859.

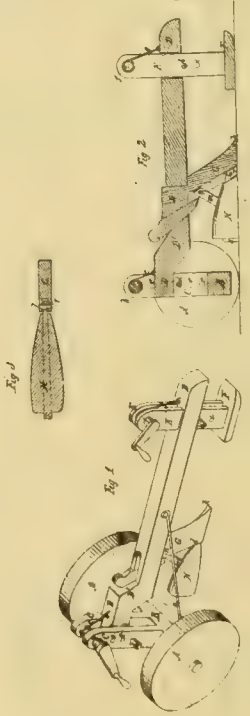


Witnesses,
Inventor,

J. Case.

Mole Plow.

No. 22,701. Patented Jan. 25, 1859.

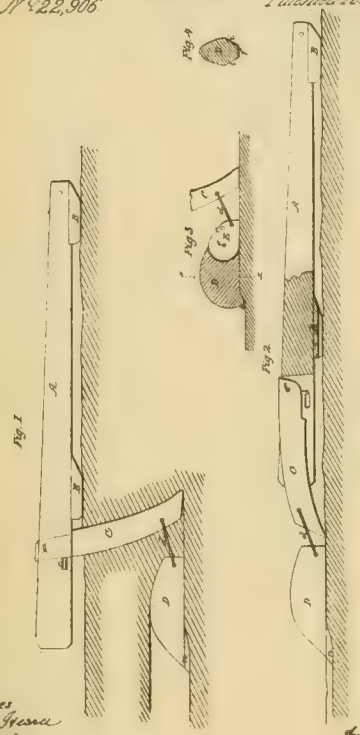


Witnesses,
Inventor
James Case,

A. Watson.

Mole Plow.

No. 22,906 Patented Feb. 8, 1859.



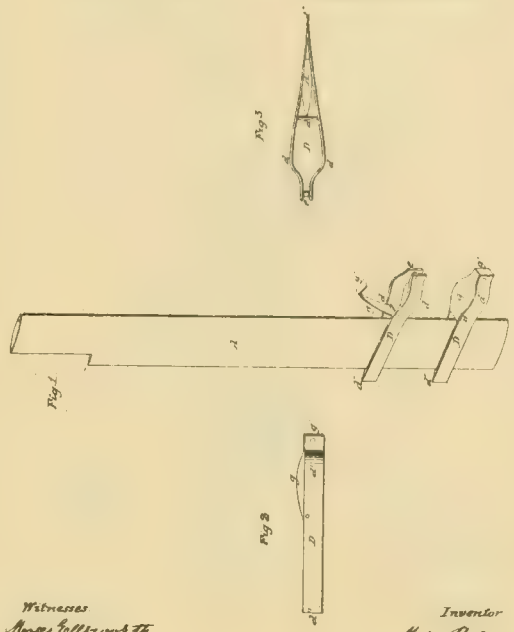
Witnesses
Thomas Hessee
John Jones

Inventor
Augustus Watson

M. Bales.

Mole Plow.

No. 22,928 Patented Feb. 15, 1859.



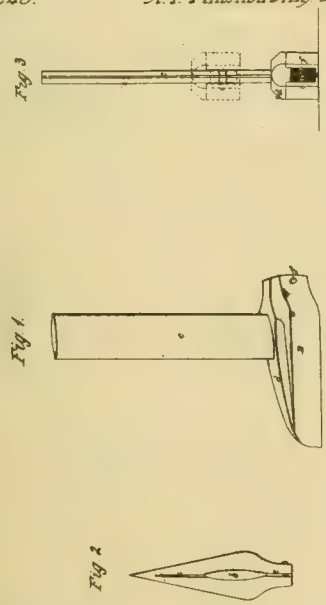
Witnesses
Moses Collstrow th
H. W. Gill.

Inventor
Moses Bales

M. Bales.

Mole Plow.

No. 218. A. I. Patented Aug. 23, 1859.



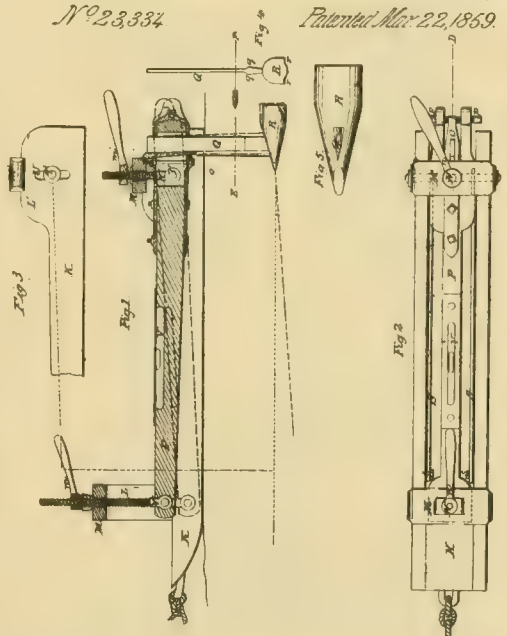
Witnesses:
H. E. Clifton
J. A. McDowell

Inventor:
Moses Bales

W. P. Goodman.

Mole Plow.

No. 23,334. Patented Mar. 22, 1859.



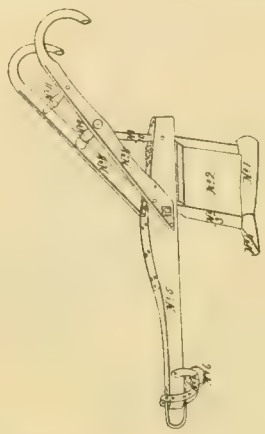
Witnesses
Ocalwright.
W. Yorke Atlee

Inventor.
W. P. Goodman

J. Carrington.

Mole Plow.

No. 23,348. Patented Mar. 29, 1859.



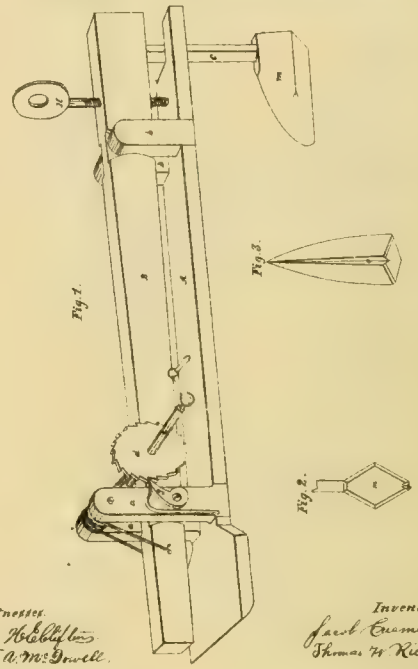
Witnesses;
Peter Groton
George Benjamin

Inventor;
Joel Carrington

Creamer & Richards.

Mole Plow.

No. 23,462. Patented Apr. 6, 1859.



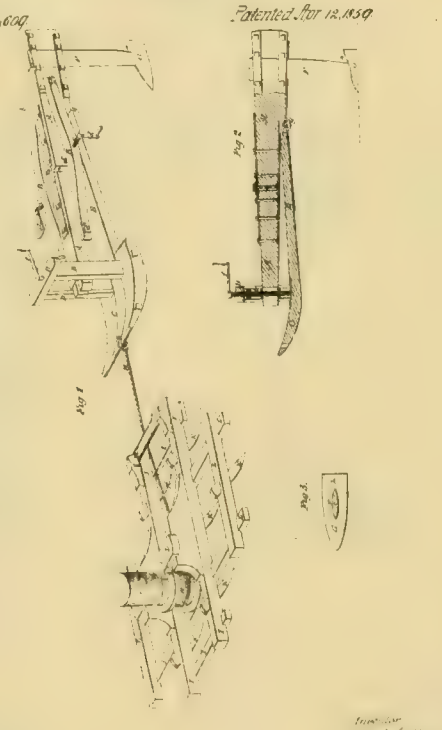
Witnesses.
H. Ehlefeldt
F. A. McDowell.

Inventors
Jacob Creamer
Thomas H. Ricards.

Robbins & Morrison.

Mole Plow.

No. 23,609. Patented Apr. 12, 1859.

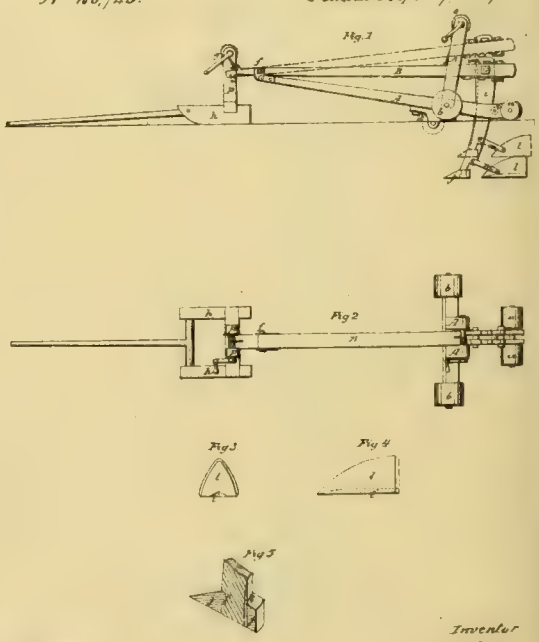


Inventor
D. F. Robbins
Uriah Morrison

Roland & Forbis.

Mole Plow.

No. 23,745. Patented Apr. 19, 1859.



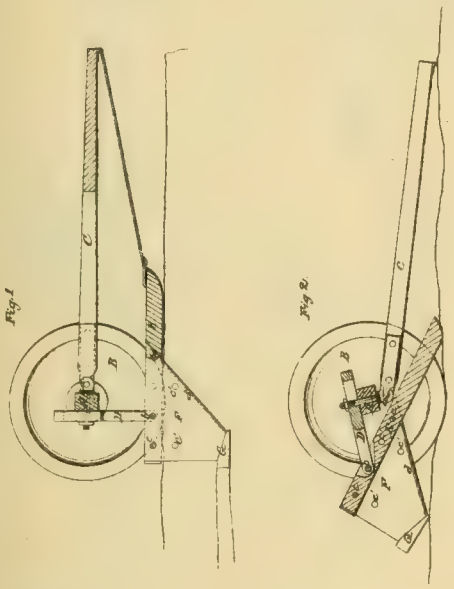
Witnesses
H. Ehlefeldt
Thomas L. Tuttor

Inventor
H. W. Roland
& Forbis

M. Bucklin.

Mole Plow.

No. 24,928. Patented Aug. 2, 1859.



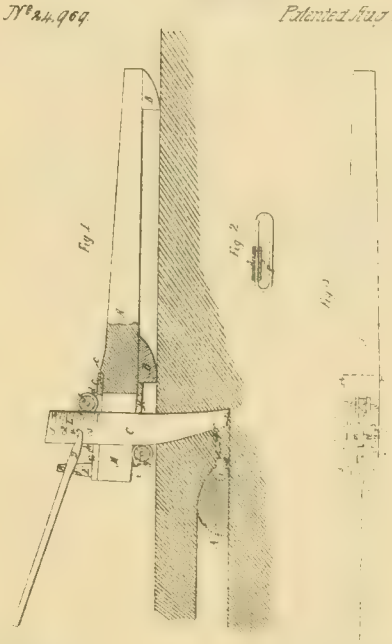
Witnesses
Francis A. Smith
John B. Smith

Inventor
Moses Bucklin

A. Matson.

Mole Plow.

No. 24,969. Patented Aug. 2, 1859.

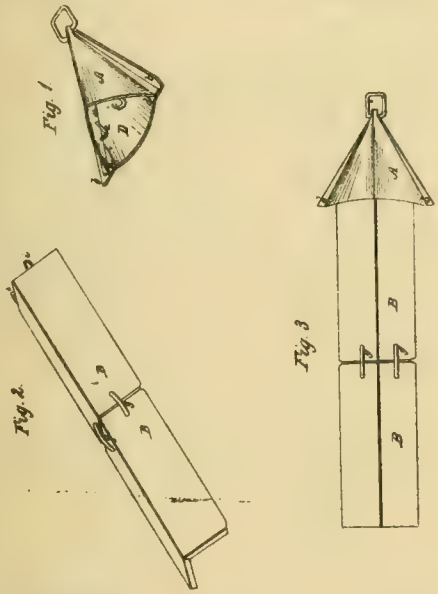


Witnesses.
W. H. Arnott
B. F. Clark

A. Miller.

Mole Plow.

No. 26,027. Patented Aug. 9, 1859.

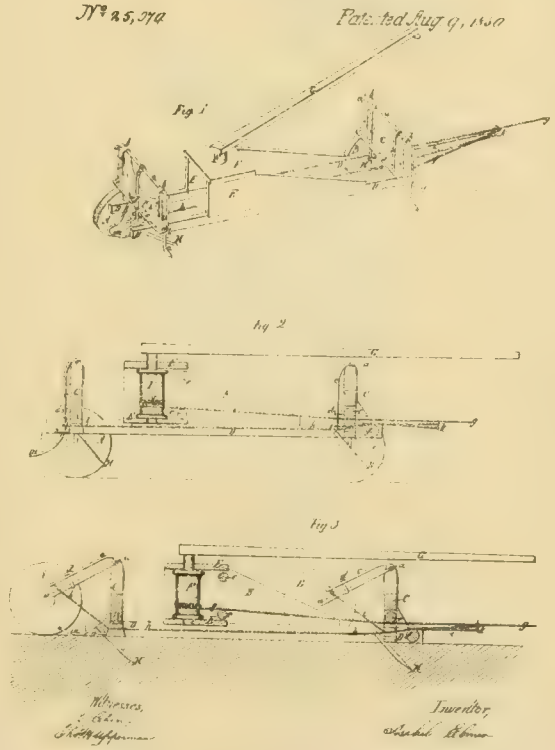


Witnesses.
R. W. Frances
J. H. Alexander

Inventor.
Adam Miller

A. Elmer.

No. 25,974 Patented Aug. 9, 1859

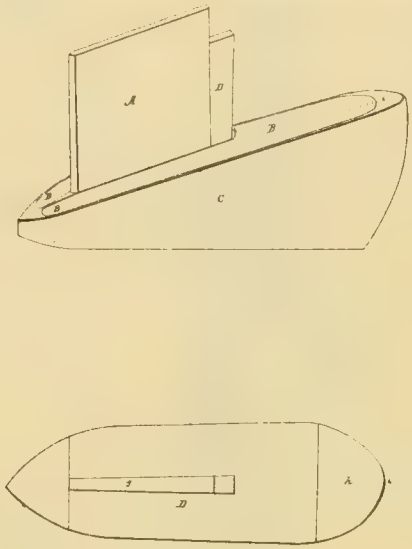


Witnesses,
Inventor,

T. S. Cox

Mole Plow.

No. 25,098. Patented Aug. 16, 1859.



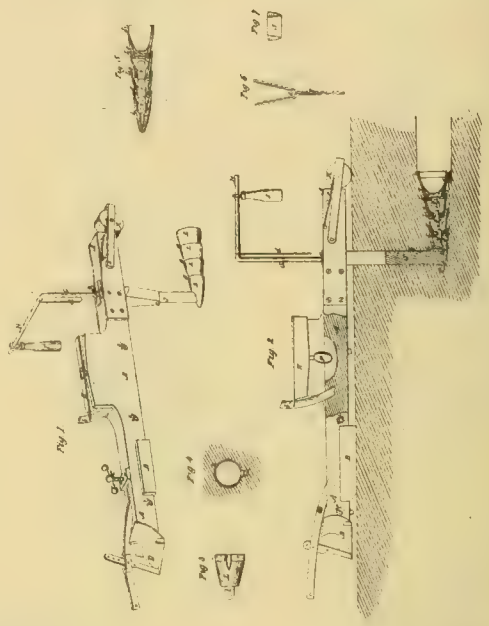
Witnesses
John L. Miller
Henry J. Blodgett

Inventor
Thomas S. Cox

A. Elmer.

Mole Plow.

No. 25,105. Patented Aug. 16, 1859.



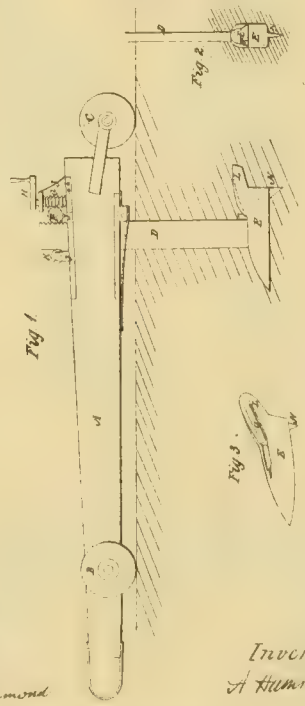
Witnesses
[illegible]

Inventor:
[illegible]

A. Hammond

Mole Plow.

No. 25,114. Patented Aug. 16, 1859.



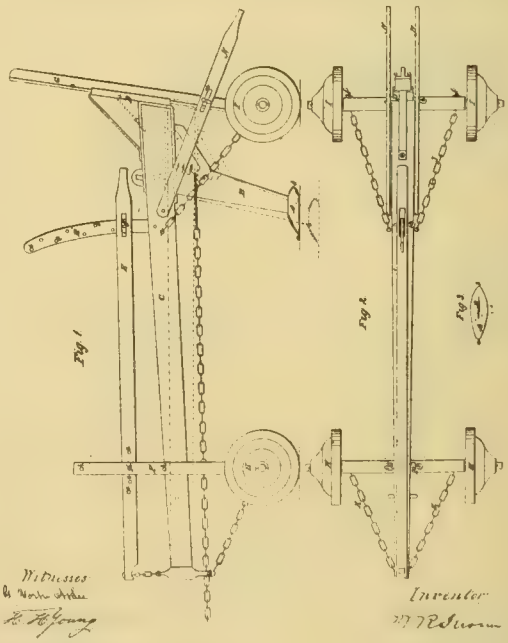
Witnesses
J. Magee
Lathrop Hammond

Inventor
A. Hammond

H. R. Jerome.

Mole Plow.

No. 25,121. Patented Aug. 16, 1859.



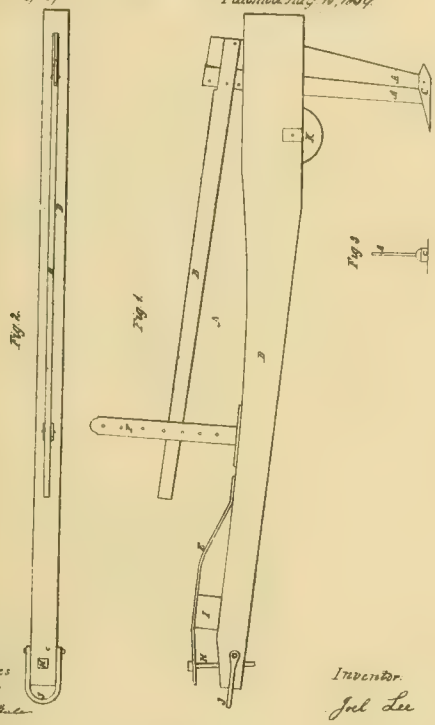
Witnesses
[illegible]

Inventor
H. R. Jerome

J. Lee.

Mole Plow.

No. 25,127. Patented Aug. 16, 1859.



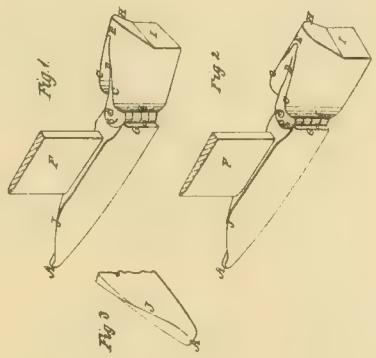
Witnesses
J. Stoppe
W. Selden Carter

Inventor.
Joel Lee

C. U. & J. H. Crandall & H. N. Hawkins.

Mole Plow.

No. 25,178. Patented Aug. 23, 1859.



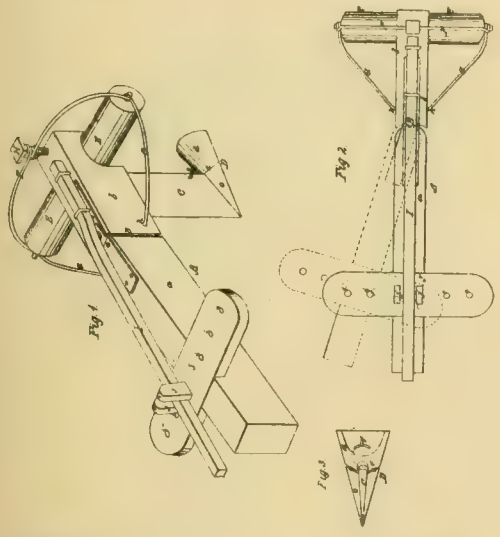
Witnesses.
C. W. Boggleton
Orson Waste

Inventors:
Cyprian U. Crandall
James H. Crandall
Hope N. Hawkins

I. Hobson.

Mole Plow.

No. 26,334. Patented Sept. 6, 1859.



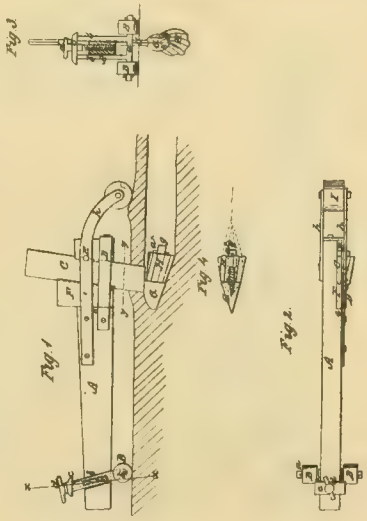
Witnesses:
Robert C. Hallowell
Nathan Weiser

Inventor:
Isaac Hobson

H. F. Baker.

Mole Plow.

No. 25,618. Patented Oct. 4, 1859.



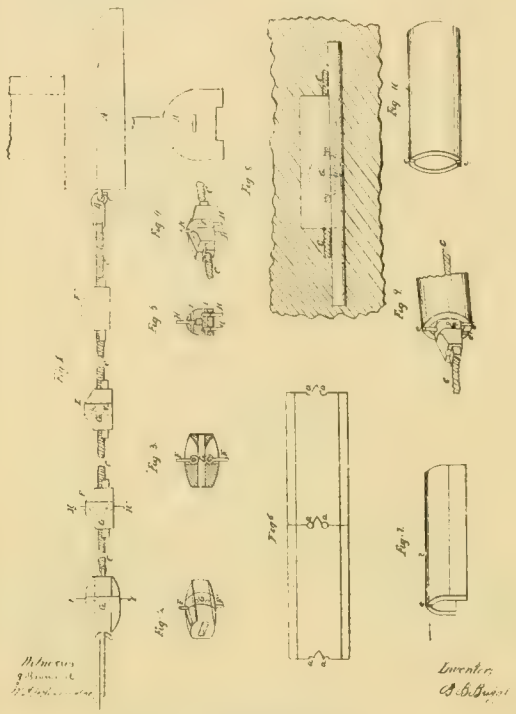
Witnesses
Jas. T. Baker
Henry P. Lang.

Inventor.
Henry F. Baker

E. B. Briggs

Mole Plow

No. 25,621 Patented Oct. 4, 1859.



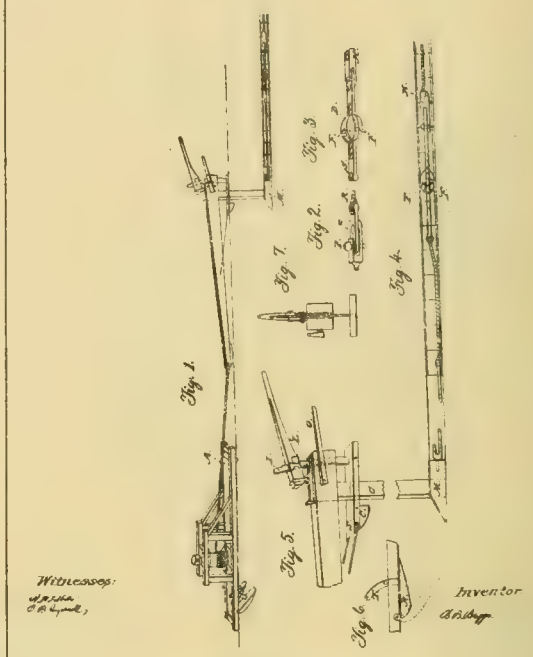
Witnesses:

Inventor,
E. B. Briggs

B. B. BRIGGS.

Mole-Plow.

No. 284 A. I. Patented June 26, 1880.



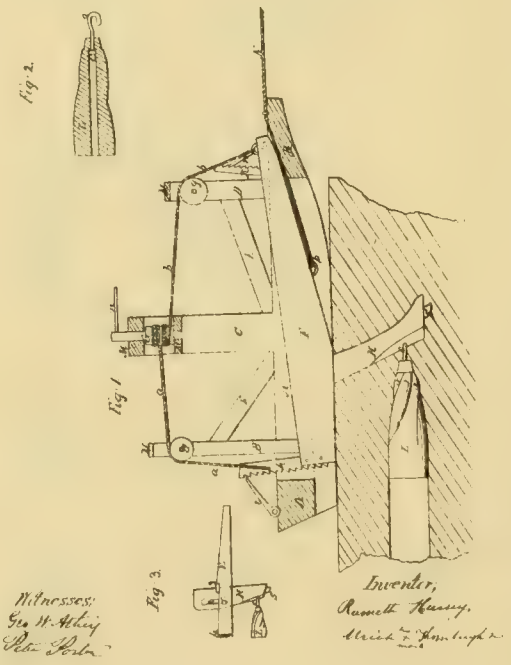
Witnesses:

Inventor
B. B. Briggs

Hussey & Thornberg, Sr.

Mole Plow

No. 25,649. Patented Oct. 4, 1859.



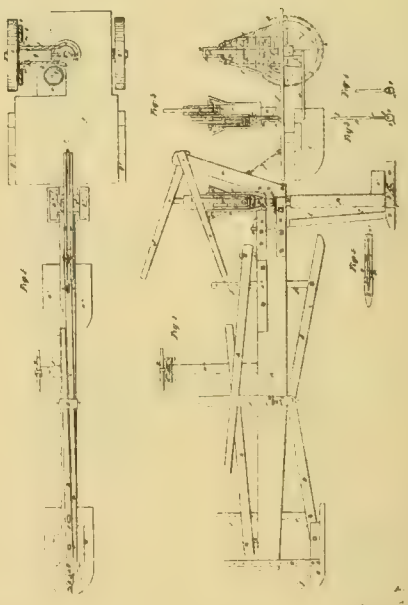
Witnesses:
Geo. H. Athey
Geo. Foster

Inventor,
Rumell Hussey.

Miller, Clemens & Clemens

Excavator

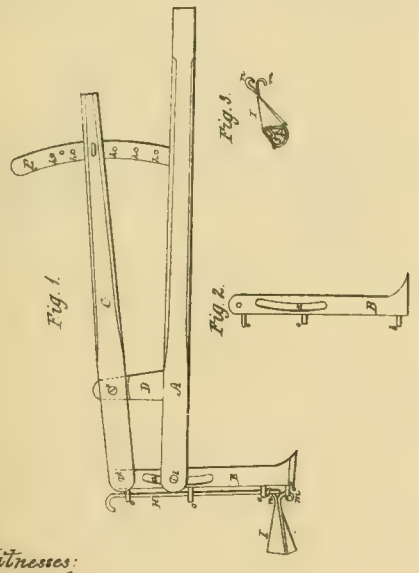
No. 25,703 Patented Oct. 4, 1859.



A. Miller.

Mole Plow.

No. 26,846. Patented Oct. 18, 1859.



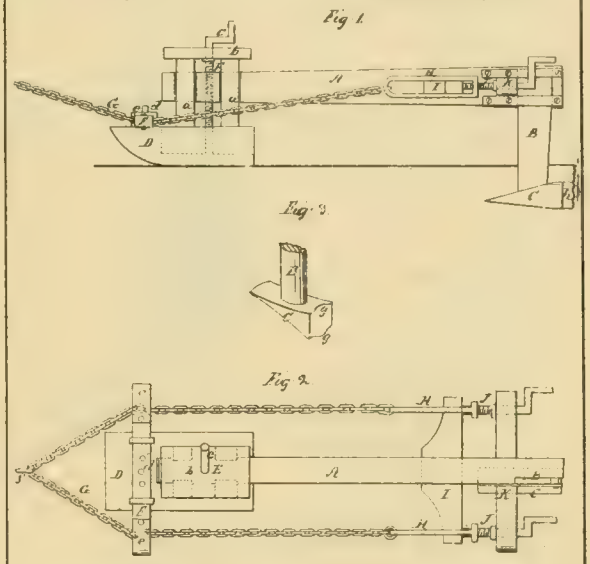
Witnesses:
A. A. Gratman,
C. W. Franzoni

Inventor:
Adam Miller

J. Morrison.

Mole Plow.

No. 26,846. Patented Oct. 18, 1859.



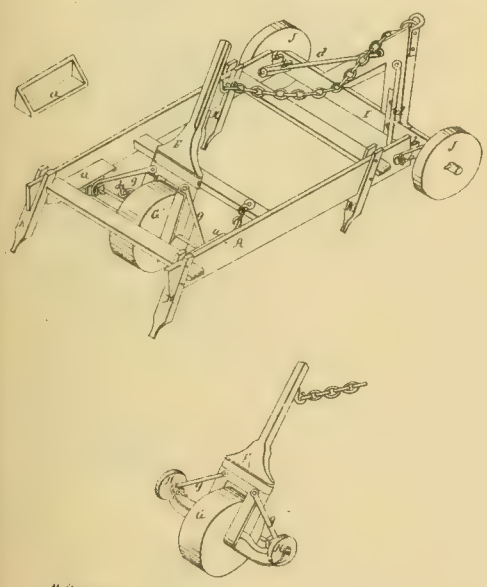
Witnesses:
A. John Cole
W. Ann Wilson.

Inventor;
John Morrison

E. Thorn.

Mole Plow.

No. 26,855. Patented Oct. 18, 1859.



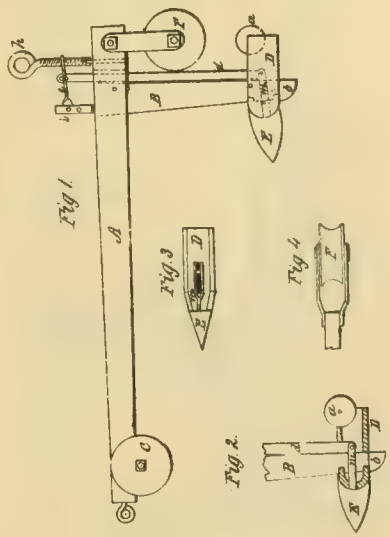
Witnesses;
C. W. Franzoni
J. H. Alexander

Inventor;
Elijah Thorn

S. F. Jones.

Mole Plow.

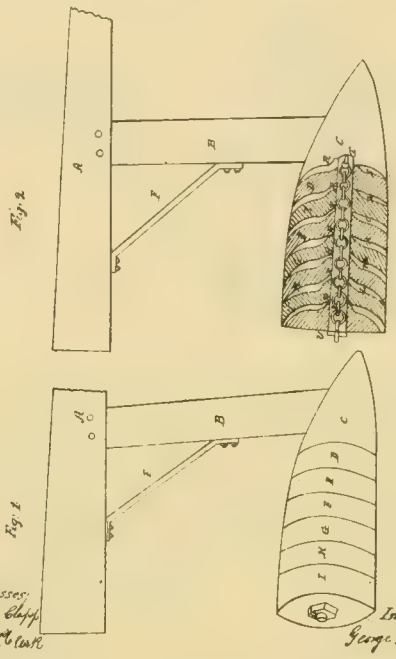
No. 26,902. Patented Oct. 25, 1859.



G. Whitcomb

Mole Plow.

No. 25,988. Patented Nov. 1, 1859.

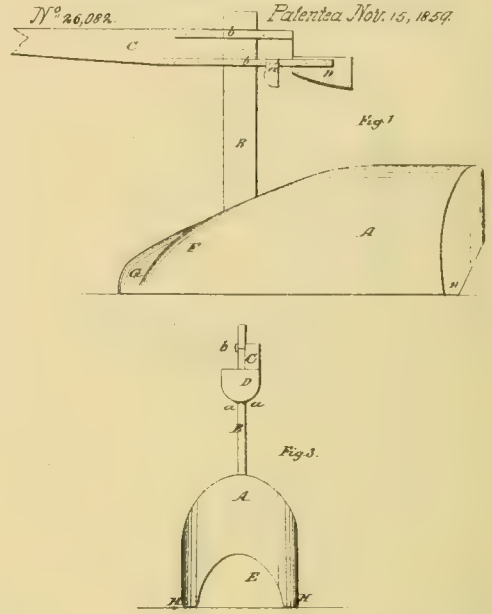


Sheet 1, 2 Sheets.

Bowers, Griggs & Wilson.

Mole Plow.

No. 26,082. Patented Nov. 15, 1859.

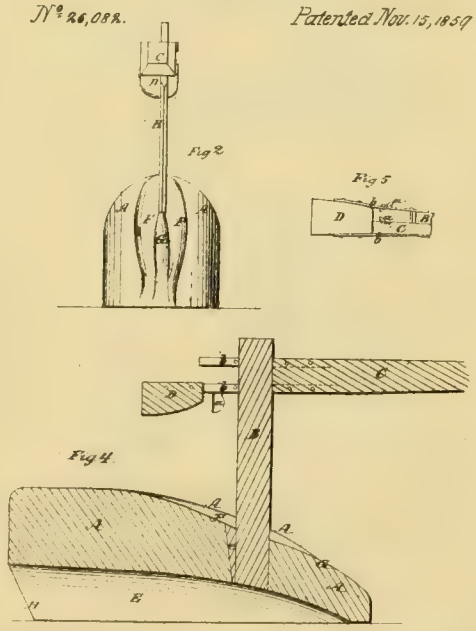


Sheet 2, 2 Sheets.

Bowers, Griggs & Wilson.

Mole Plow.

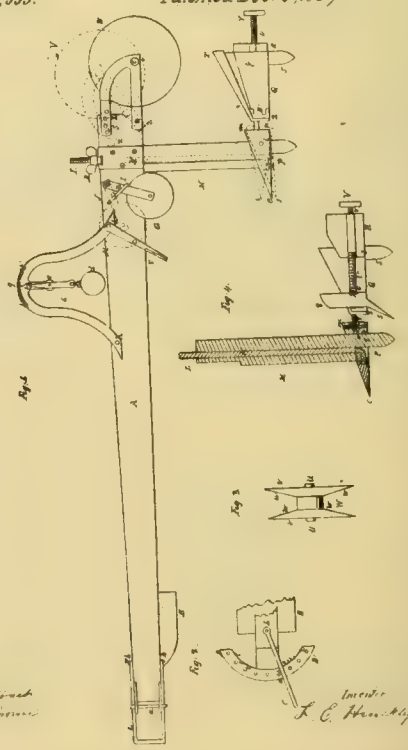
No. 26,082. Patented Nov. 15, 1859.



F. E. Hinckley

Mole Plow

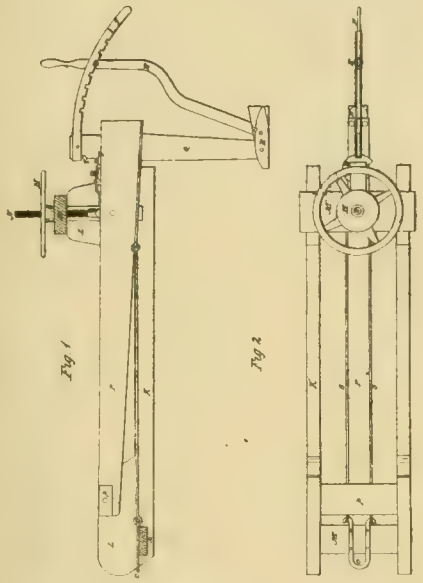
No. 26,355. Patented Dec. 6, 1859



W. F. Goodman

Mole Plow.

No. 26,426 Patented Dec. 13, 1859.



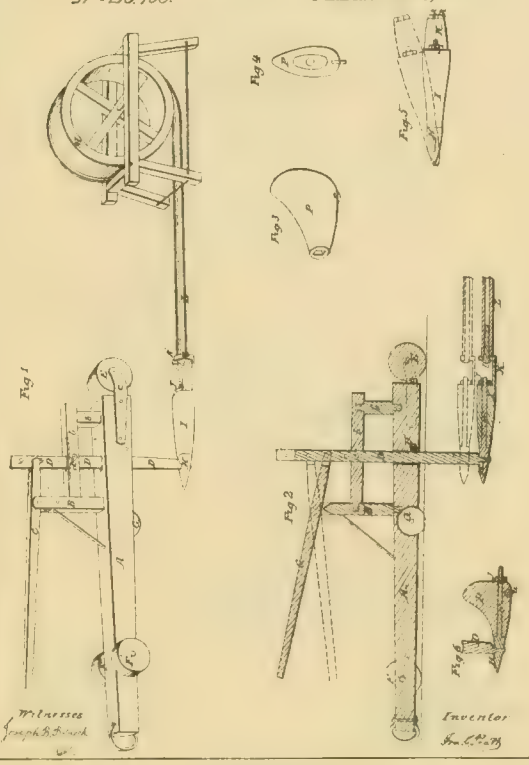
Witnesses
Chas. G. Green
J. A. Hoffman

Inventor
W. F. Goodman

J. C. Pratt.

Mole Plow.

No. 26,708. Patented Jan. 3, 1860.



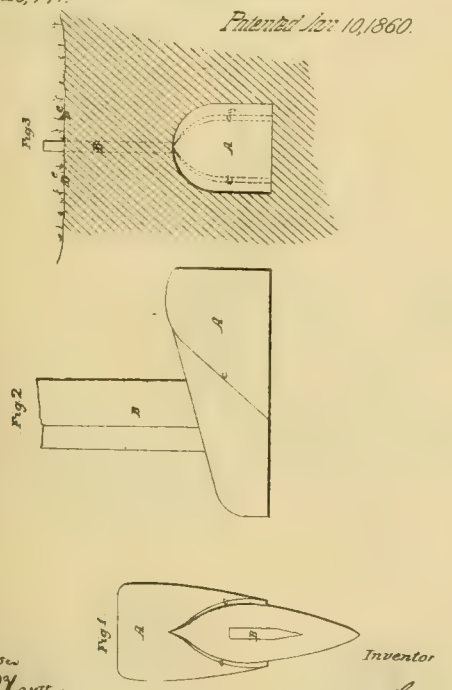
Witnesses
Joseph B. Schenck

Inventor
Jno. C. Pratt

J. Lane.

Mole Plow.

No. 26,771. Patented Jan. 10, 1860.



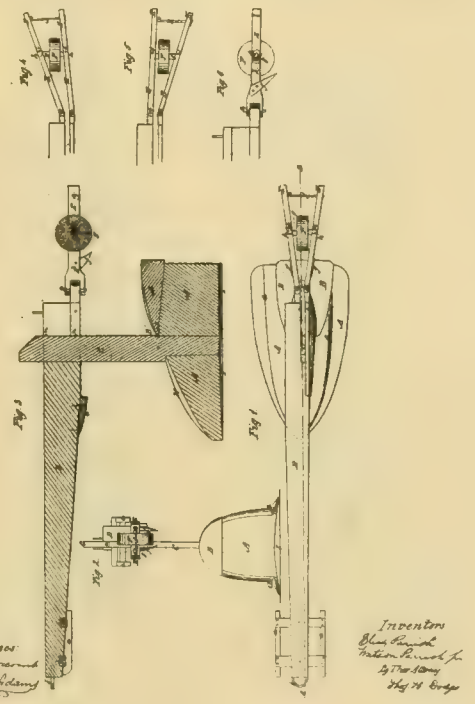
Witnesses
Chas. P. Hamilton
C. A. Welch

Inventor
John Lane

E. & W. Parrish, Jr.

Mole Plow.

No. 27,233. Patented Feb. 21, 1860.



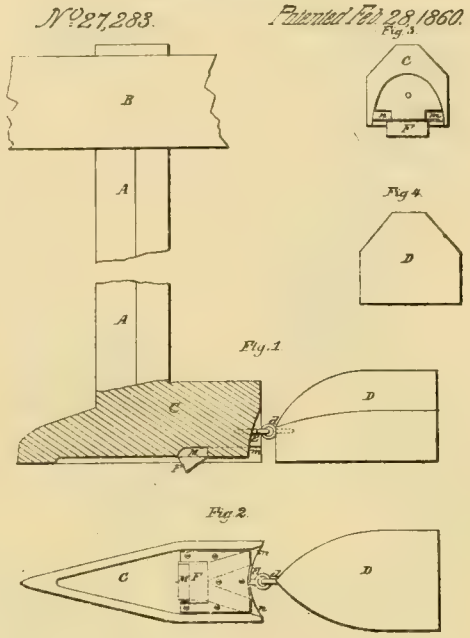
Witnesses
John D. Adams

Inventors
Elias Parrish
Nelson Parrish Jr.
by Thos. Stanley
Atty & Solr

S. Adams.

Mole Plow.

No. 27,283. Patented Feb. 28, 1860.



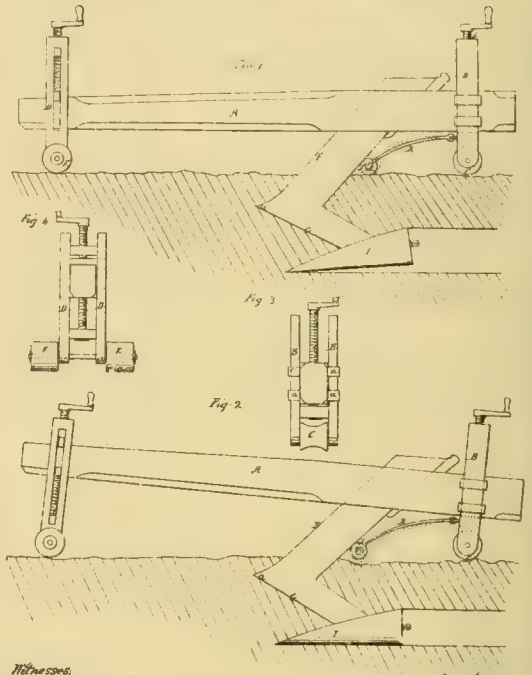
Witnesses.
Davis Lowman,
John W. Deering

Inventor
Saml. Adams.

Griffin & Carter.

Mole Plow.

No. 27,285 Patented Feb. 28, 1860



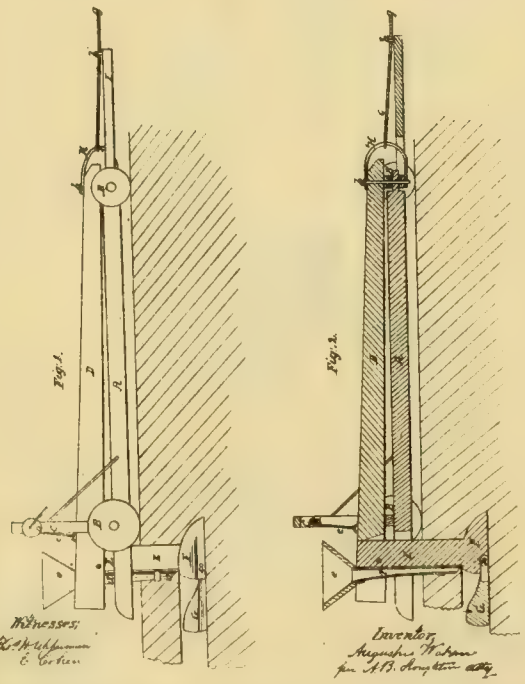
Witnesses,
G. H. Dry
R. Huff Hunt

Inventor,
Geo. A. Griffin
J. H. Carter

A. Watson.

Mole Plow.

No. 27,324. Patented Feb. 28, 1860.



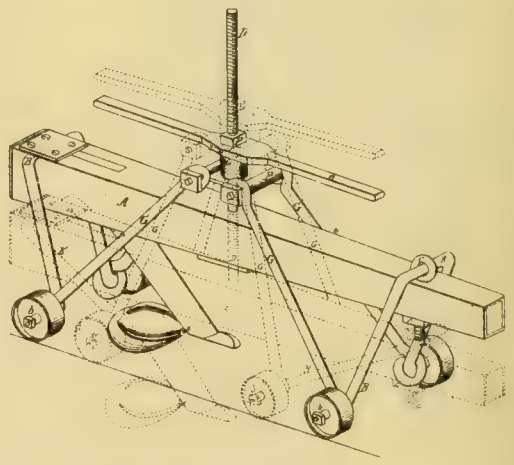
Witnesses;
H. A. Wilkinson
E. Corlies

Inventor,
Augustus Watson
per A. B. Houghton atty.

Wall, Roberts & Carter.

Mole Plow.

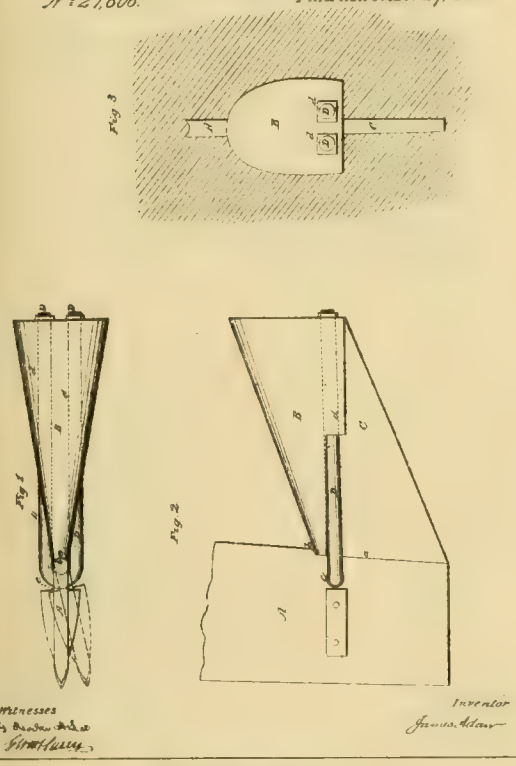
No. 27,604. Patented Mar. 20, 1860



Witnesses
A. B. C. Wall
Geo. H. Fogerson

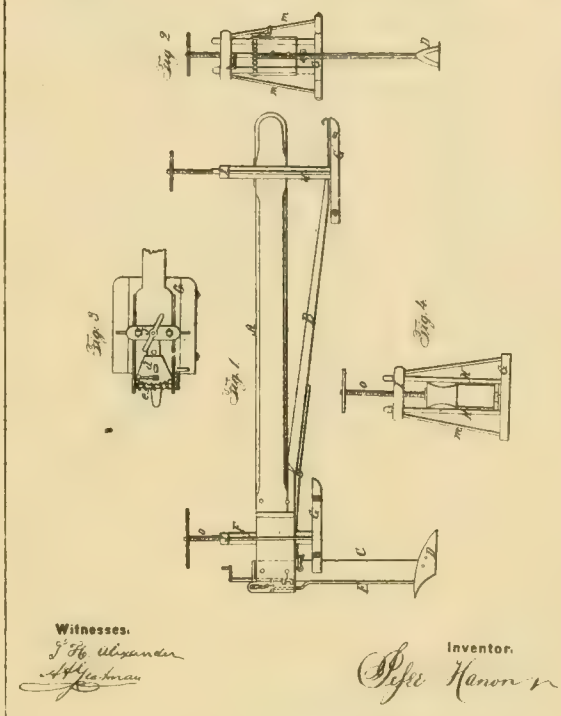
Inventors
A. B. C. Wall
George Roberts
Wm. J. Carter
by their Attorney
Wm. D. Baldwin

J. Hainix.
Mole Plow.
No. 27,606. Patented Mar. 27, 1860.



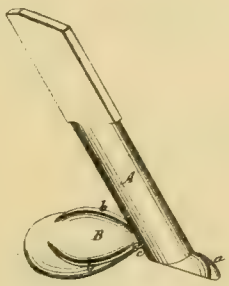
Witnesses
Inventor
James Adair

J. HANON, Jr.
Mole-Plow.
No. 27,630. Patented Mar. 27, 1860.



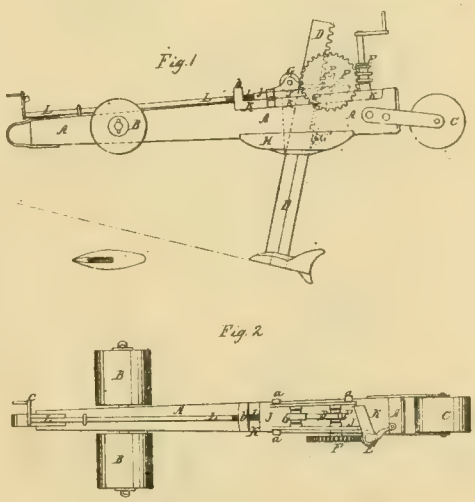
Witnesses.
Inventor.
Peter Hanon Jr

Wall, Roberts & Carter
Mole Plow.
No. 27,745. Patented Apr. 3, 1860.



Witnesses
Inventor
A. & G. Wall
George Roberts
Niles S. Carter

A. Hammond
Mole Plow.
No. 27,796. Patented Apr. 10, 1860.

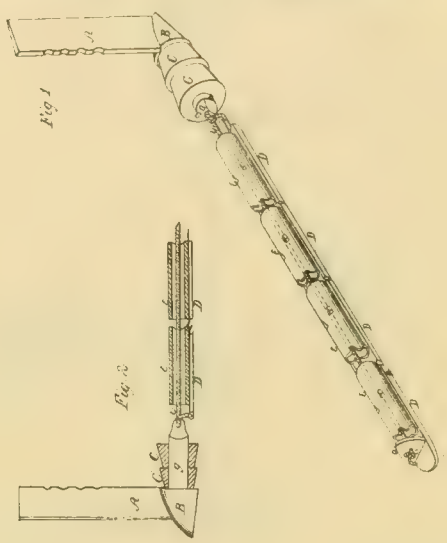


Witnesses
Inventor
A. Hammond

H. F. Baker.

Mole Plow.

No. 28,050. Patented May 1. 1860.



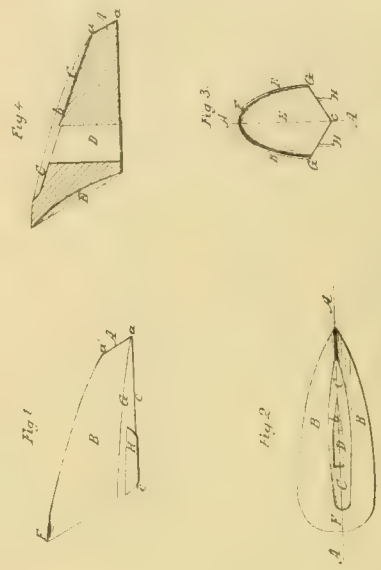
Witnesses:
Chas. M. Alexander
A. H. Gardner

Inventor
Henry F. Baker

Hawkins & Pantenney

Mole Plow.

No. 28,064. Patented Jun. 12, 1860.



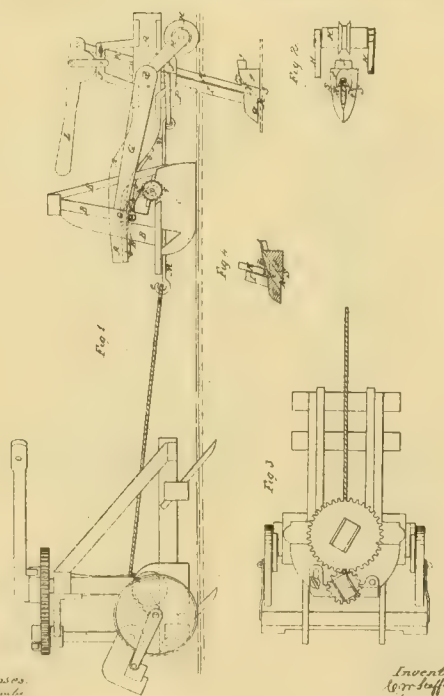
Witnesses
John Dancy Adams
A. C. Middlecomb.

Inventor
A. B. Hawkins
John Pantenney
by their Atty
Thos. H. Dodge

C. W. Stafford

Mole Plow.

No. 29,20[illegible]. Patented Jul. 17, 1860.



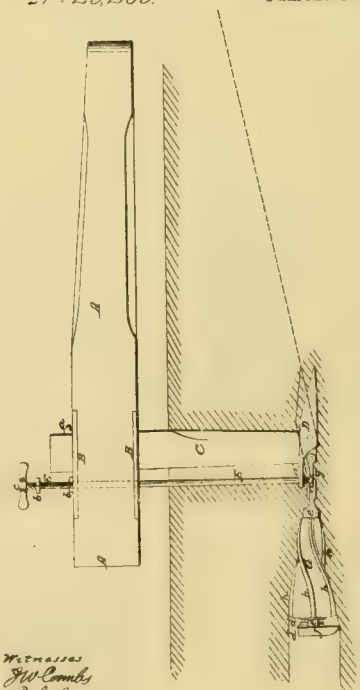
Witnesses.
[illegible]
C. O. Spencer

Inventor,
Corr. Stafford
per Munn & Co.

I. Hodgson.

Mole Plow.

No. 29,269. Patented Jul. 24, 1860.



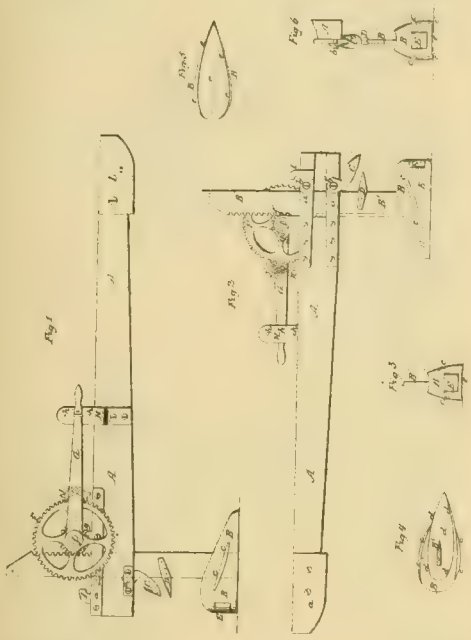
Witnesses
F. W. Crombly
R. S. Spencer

Inventor
Isaac Hodgson
per Munn & Co.
Attys

A. M. Karr.

Mole Plow.

No. 29,285 Patented Jul. 24, 1860



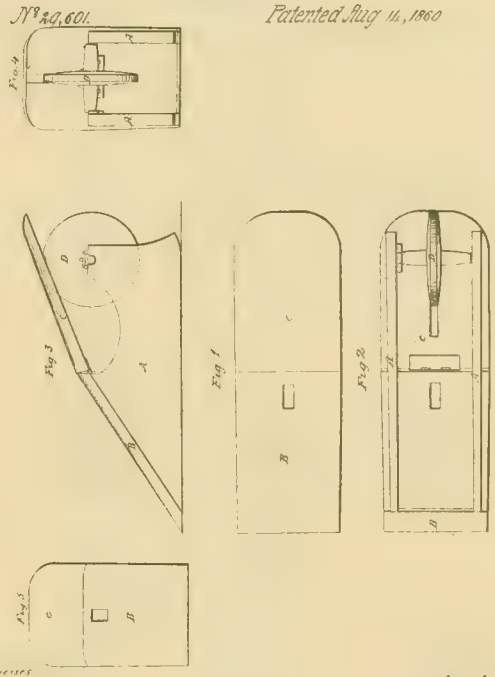
Witnesses
A. W. Greenville
Wm. Yulle Adler

Inventor
A. M. Karr
by his Attorney
Chas. H. Dodge

L. Navar.

Mole Plow.

No. 29,601. Patented Aug. 11, 1860



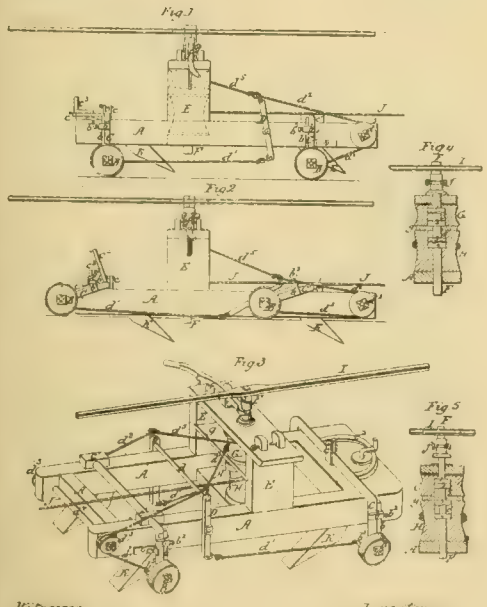
Witnesses
James J. Dickens
Benj. [illegible]

Inventor
P. Flanagan
Atty. of L. Navar.

WALL, ROBERTS & CARTER.

Mole Plow.

No. 30,015 Patented Sept. 11, 1860.



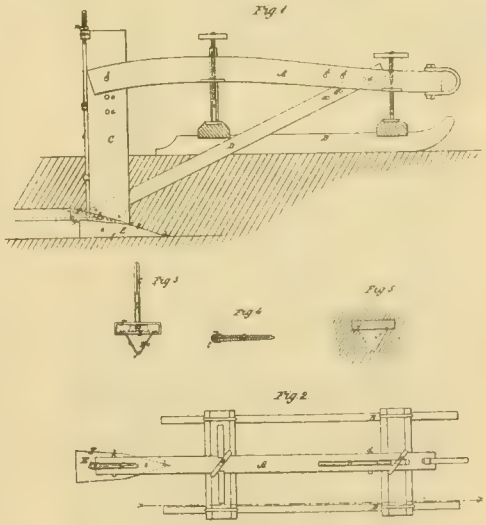
Witnesses:
J. E. Hodgkinson
Geo. K. Sagner

Inventors
A. & C. Wall
Geo. Roberts
Nels. P. Carter
by their Atty.
Wm. D. Baldwin

W. B. Atkinson.

Mole Plow.

No. 30,036. Patented Sept. 18, 1860.



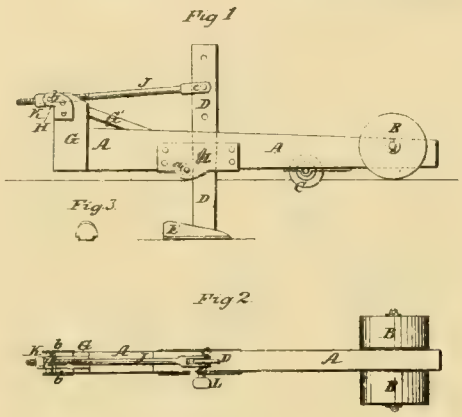
Witnesses:
J. W. Combs
A. S. Spencer

Inventor.
W. B. Atkinson
per Munn & Co.
Attorneys.

H. Bagley,

Mole Plow.

No. 30,041. Patented Sept. 18, 1860.



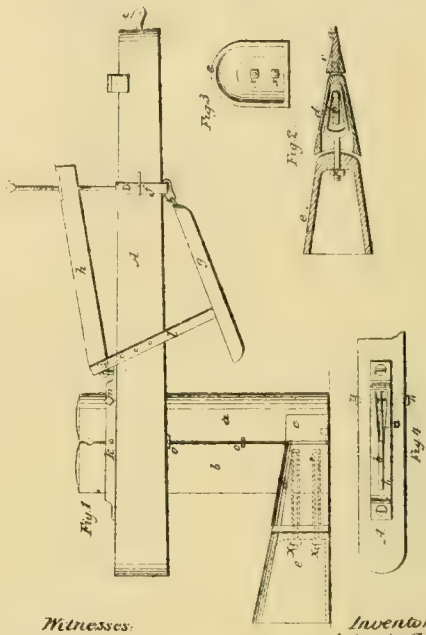
Witnesses.
J. W. Coombs
R. S. Spencer

Inventor
H. Bagley
per Munn & Co
Attys.

J. H. ELWARD.

Mole-Plow.

No. 30,625 Patented Nov. 13, 1860.



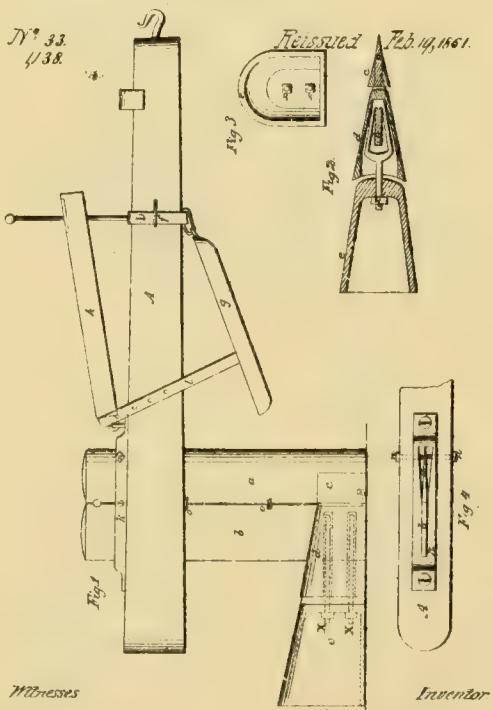
Witnesses:
Octavius Knight
Z. C. Robbins

Inventor:
John H. E. Elward
By O. S. A. Pierce
Atty.

J. H. Elward

Mole Plow.

No. 33,138. Reissued Feb. 19, 1861.



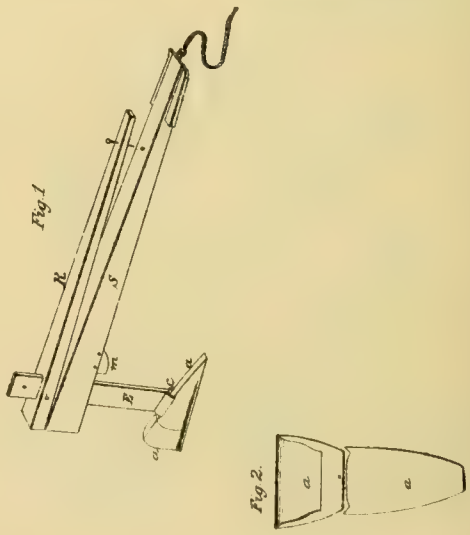
Witnesses
Octavius Knight
Z. C. Robbins

Inventor
John H. E. Elward
By O. S. A. Pierce

O. Sturdevant.

Mole Plow.

No. 30,659 Patented Nov. 13, 1860.



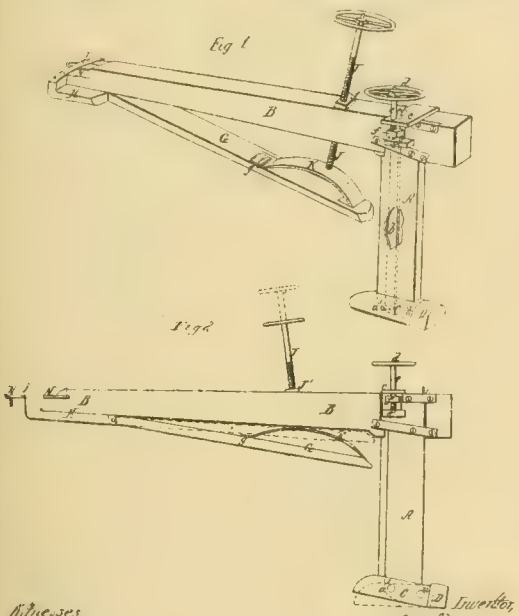
Witnesses.
A. H. Potter
H. C. Woods

Inventor
Owen Sturdevant.

H. Gillet.

Mole Plow.

No. 31,113. Patented Jan. 15, 1861.



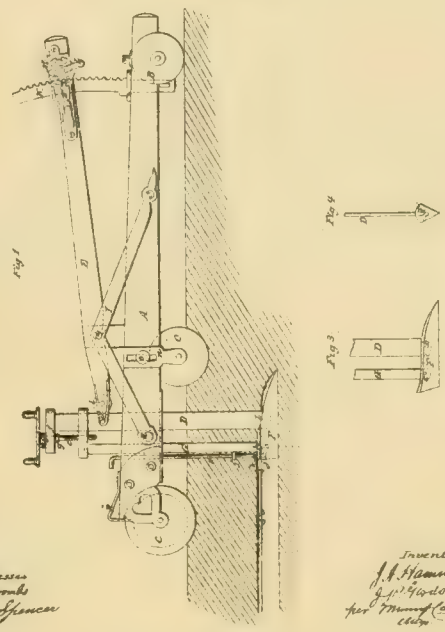
Witnesses
A. Crosby
R. S. Spencer

Inventor,
Hiram Gillet,
per Munn & Co.
Attorneys

Hammer & Gordon.

Mole Plow.

No. 31,313. Patented Feb. 5, 1861.



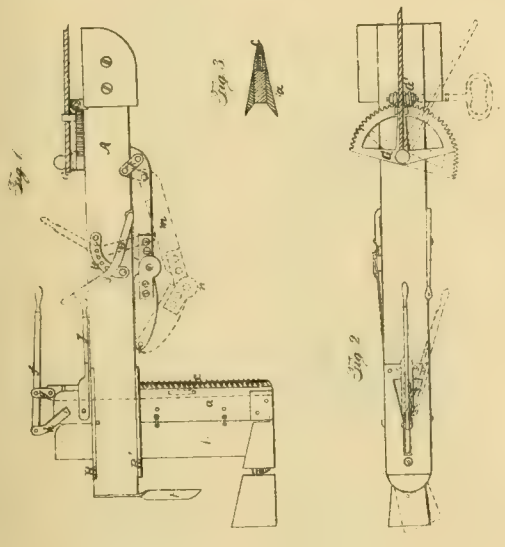
Witnesses
J. Woods
R. S. Spencer

Inventors
J. A. Hammer
J. P. Gordon
per Munn & Co.
Attys.

M. A. HOWELL, Jr.

Mole-Plow.

No. 313, 31,317. Patented Feb. 5, 1861.



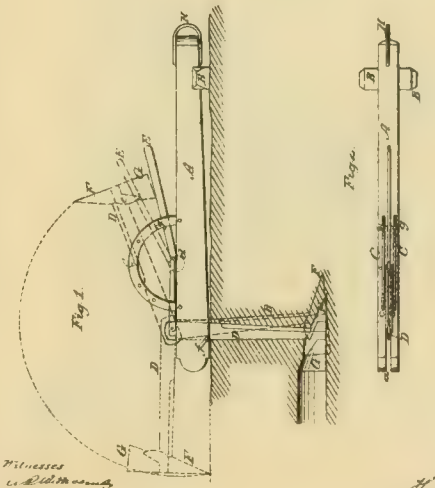
Witnesses:
O. S. Peck
Augustus Pohlers

Inventor:
Martin A. Howell Jr.

Ballard & McClure.

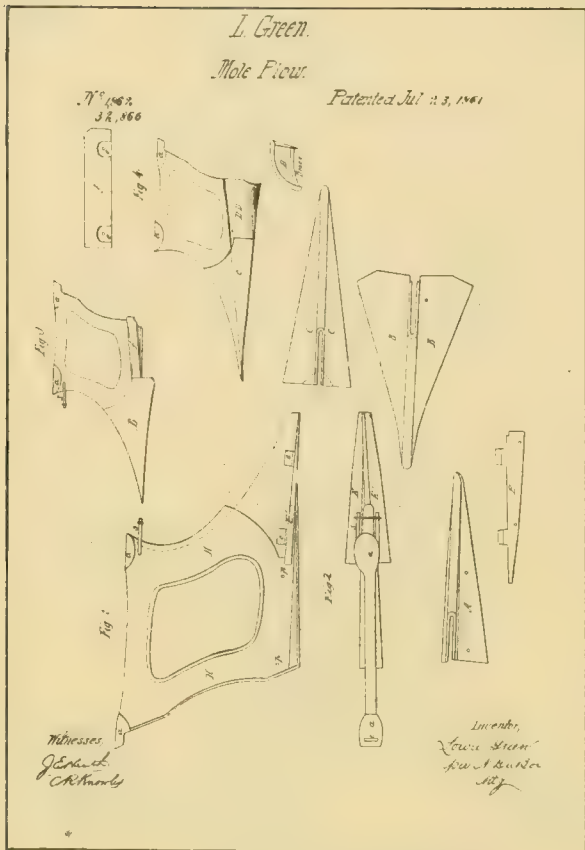
Mole Plow.

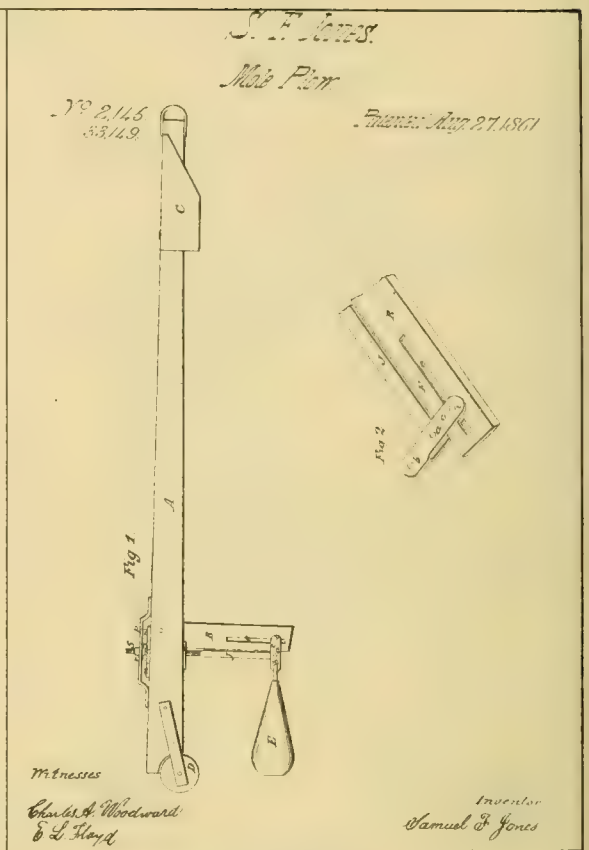
No. 31,771. Patented Mar. 26, 1861.

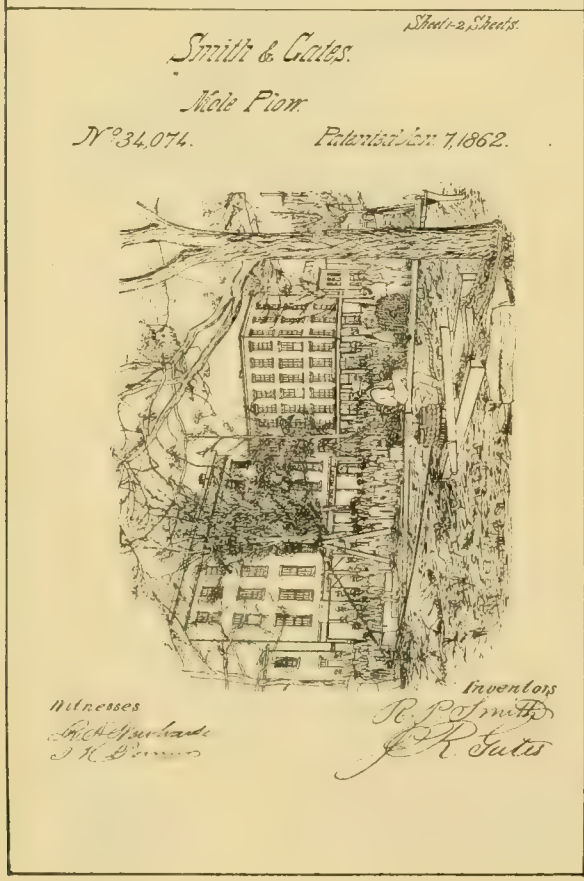


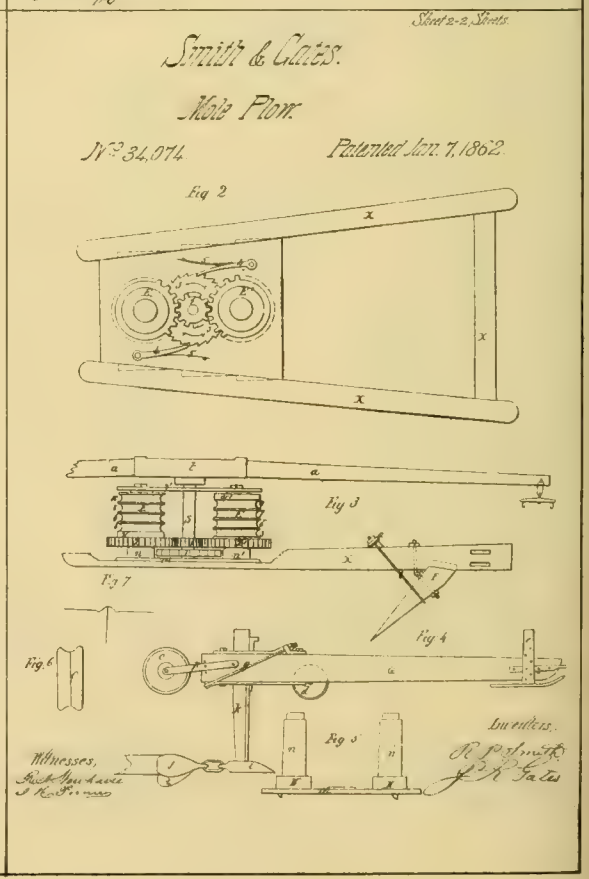
Witnesses
W. Wirt Aldridge

Inventors
H. H. Ballard
H. McClure
By their Attorneys


L. Green.
Mole Plow.
Patented Jul 23, 1861
Witnesses
Inventor,


S. F. Jones.
Mole Plow.
Patented Aug. 27, 1861
Fig 1
Fig 2
Witnesses
Charles A. Woodward
E. L. Floyd
Inventor
Samuel F. Jones

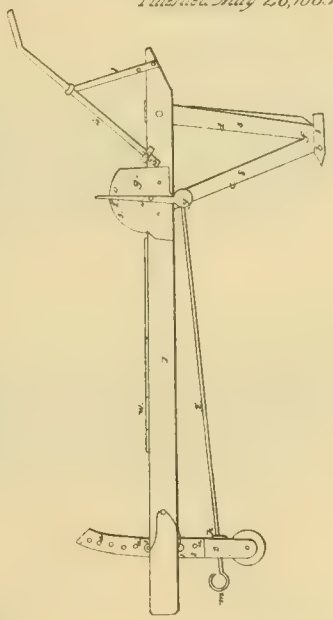

Sheet 1-2 Sheets.
Smith & Gates.
Mole Plow.
No. 34,074.
Patented Jan. 7, 1862.
Witnesses
Inventors


Sheet 2-2 Sheets.
Smith & Gates.
Mole Plow.
No. 34,074
Patented Jan. 7, 1862.
Fig 2
Fig 3
Fig 7
Fig 4
Fig 6
Fig 5
Witnesses,
Inventors.

C. G. Grabo.

Mole Plow.

No 38,677. Patented May 26, 1863.



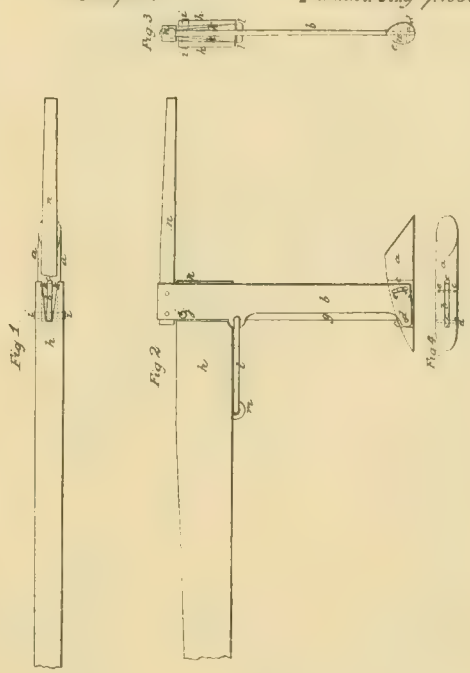
WITNESSES.
Enos Schober
F. Rohnert

INVENTOR:
Christian G. Grabo

S. A. Clemens,

Mole Plow.

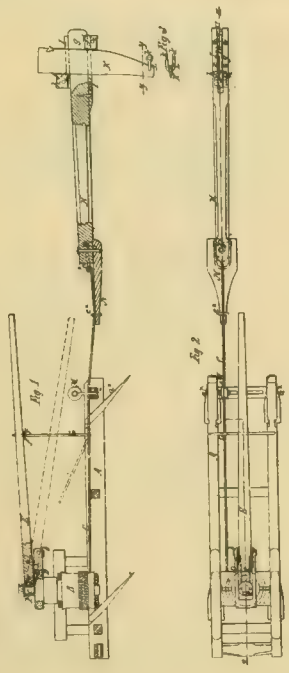
No. 39,118. Patented July 7, 1863.



E. H. Morton

Mole Plow

No 45,735. Patented Jan 3, 1865.



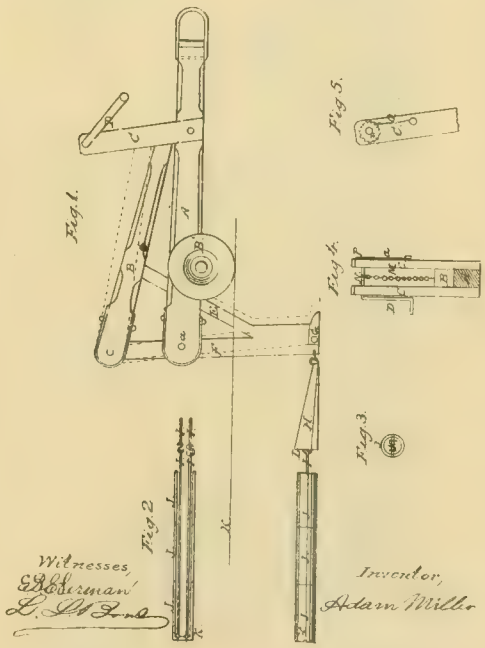
Witnesses,
Henry Morton
J. W. Crumb

Inventor,
E. H. Morton
per Thomas Hill
Attorney

A. MILLER.

Mole-Plow.

No 59,049 Patented Oct 23 1866



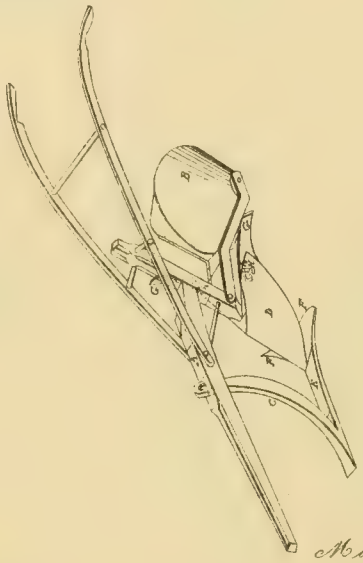
Witnesses,
E. H. Norman
L. S. Ford

Inventor,
Adam Miller

A. P. ROUTT.

Mole Plow.

No 61,263. Patented Jan. 15, 1867.



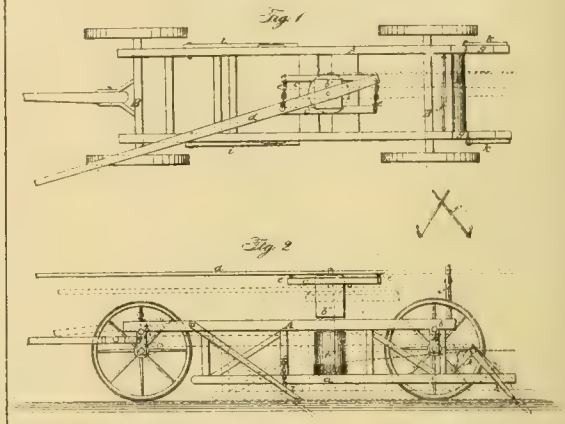
Witnesses:
Chas D Smith
Thomas J Howdle

Munn & Co
Attorneys for
Inventor.
A. P. Routt
By O. Knight
Sept

J. CREAMER.

Mole-Plow Capstan.

No. 62,116. Patented Feb 19, 1867.



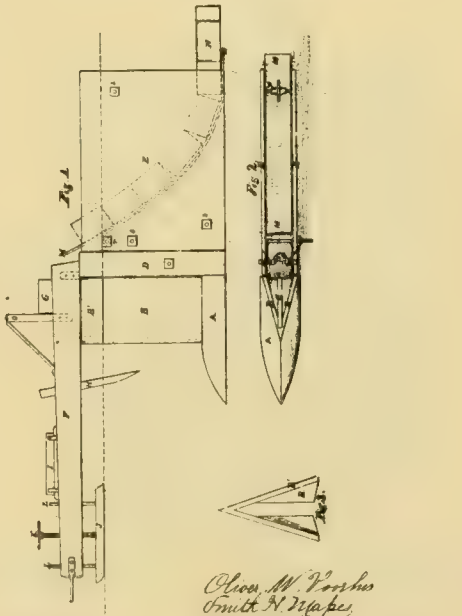
Witnesses:
A. Kidpatrick
J. H. Leow

Inventor.
J. Creamer

Voorhis, Hughes & Voorhis,

Ditcher.

No. 103,801. Patented May 31, 1870.



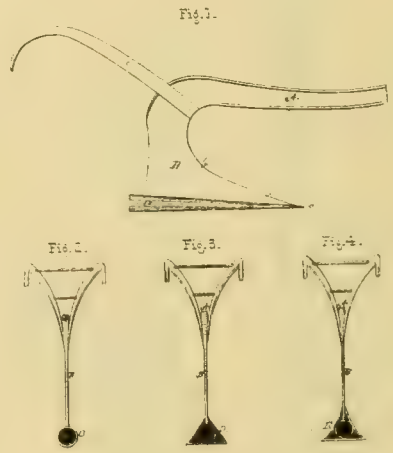
Witnesses
C. F. Hayes
G. A. Skinner

Oliver W. Voorhis
Smith H. Hughes
William M. Voorhis
Inventors
Lawrence, Marion Co. Ind.

G. CHAMBERLIN.

Mole Plow

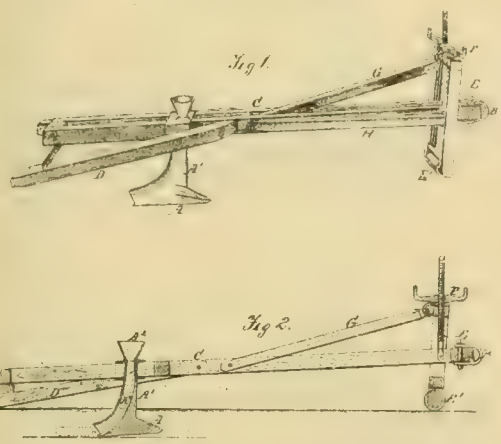
No. 107,162. Patented Sept. 6, 1870.



Witnesses.
Chas H. Poole
W. J. Hitchcock

Inventor.
George Chamberlin
By J. R. Brown Madison
Attorneys of Record

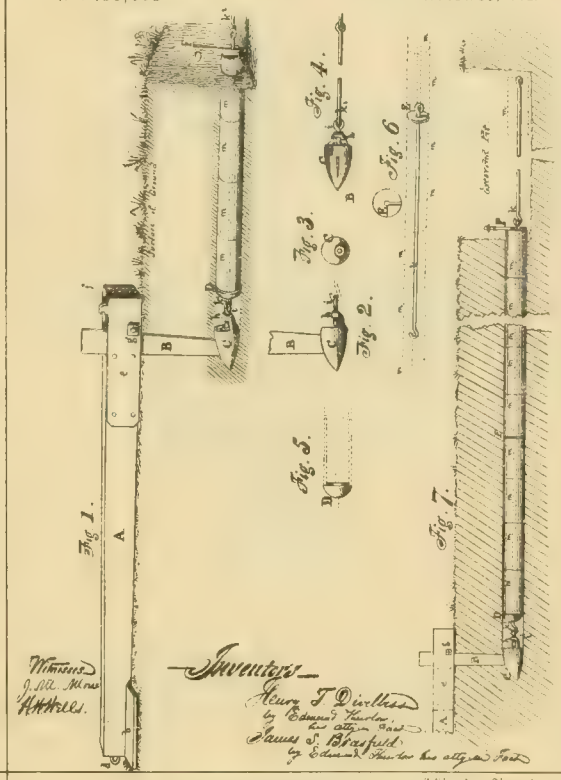
James I. Mettler
Ditcher and Tile Layer
117441 PATENTED JUL 25 1871



Witnesses
J. Rickford
J. H. Foster

James I. Mettler
Inventor
by Dyer & Edwards
his attys

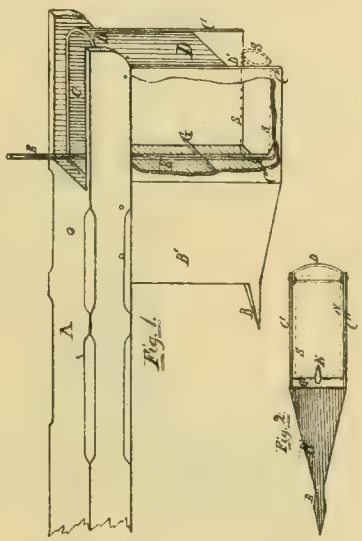
H. T. DIVELBISS & J. S. BRASFIELD.
Improvement in Ditching or Drain making Machines.
No. 123,092 Patented Jan. 30, 1872.



Witnesses
J. W. Mills
A. Wiles.

Inventors
Henry T. Divelbiss
by Edmund Hurdus his atty
James S. Brasfield
by Edmund Hurdus his atty
2 Sheets--Sheet 1.

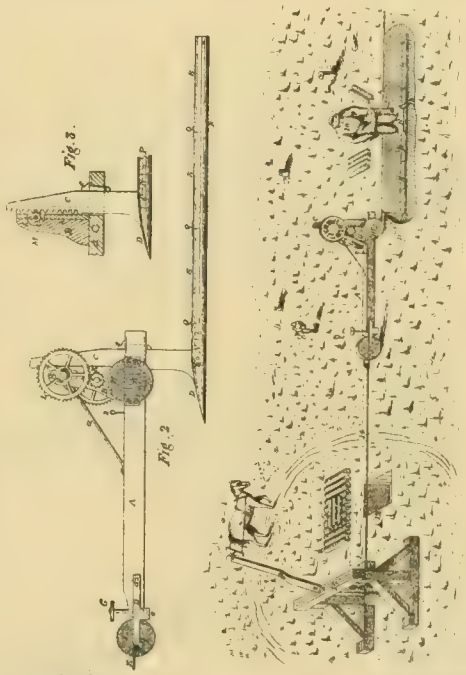
J. R. BARNETT.
Improvement in Mole-Plows.
No. 128,842. Patented July 9, 1872



Witnesses:
Platt R. Richards
M. W. Barringer

Inventor,
James R. Barnett,
by H. B. Richards,
Atty.

I. STRIPE.
Apparatus for Laying Drain Tile.
No. 134,228. Patented Dec. 24, 1872.



James M. Grant
Andrew Shiffer } Witnesses

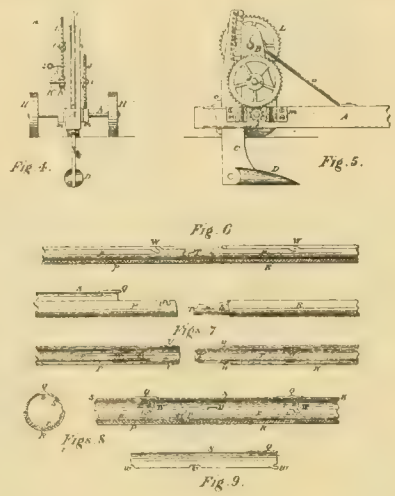
Isaac Stripe, Inventor
by J. L. Atwood, Attorney

2 Sheets--Sheet 2.

I. STRIPE.

Apparatus for Laying Drain Tile.

No. 134,228. Patented Dec. 24, 1872.



Witnesses

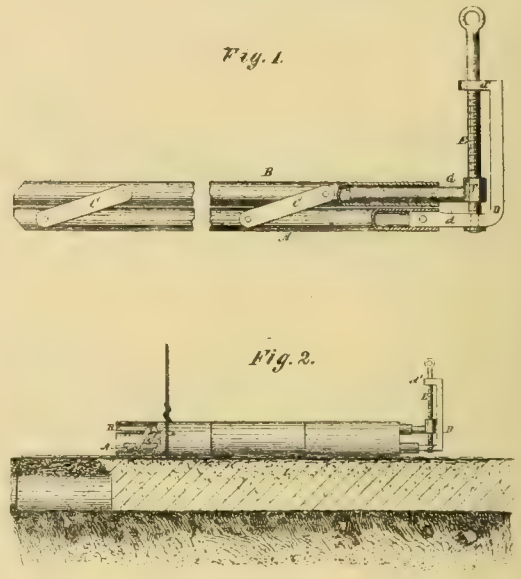
Inventor

Attorney

G. W. NEVILL.

Drain Tile Laying Apparatus.

No. 136,751. Patented March 11, 1873.



Witnesses:

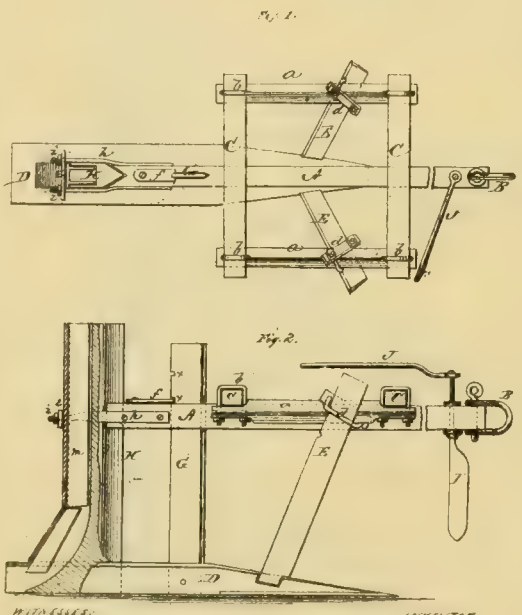
Inventor:

Attorneys.

M. H. CRITCHET.

Ditching and Tile laying Machines.

No. 156,451. Patented Nov. 3, 1874.



Witnesses:

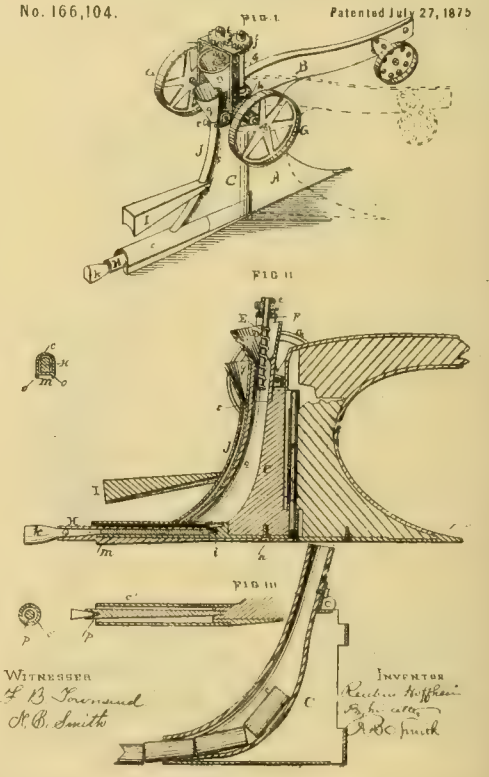
Inventor

Attorney.

H. HOFFHEIN.

Tile-Making and Laying Machine.

No. 166,104. Patented July 27, 1875



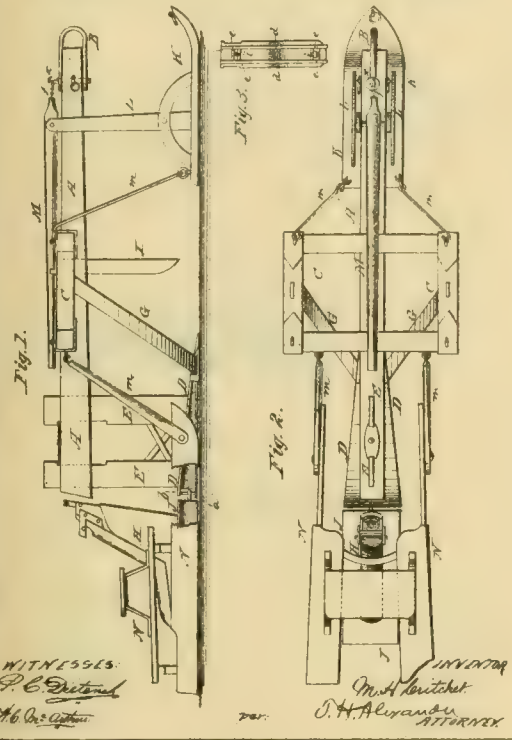
Witnesses

Inventor

M. H. CRITCHET.

DITCHING AND TILE-LAYING MACHINE.

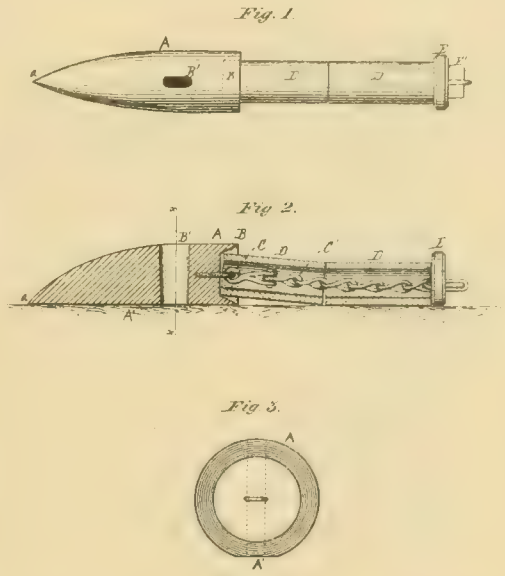
No. 173,911. Patented Feb. 22, 1876.



J. SCOTT.

MOLE-PLOW

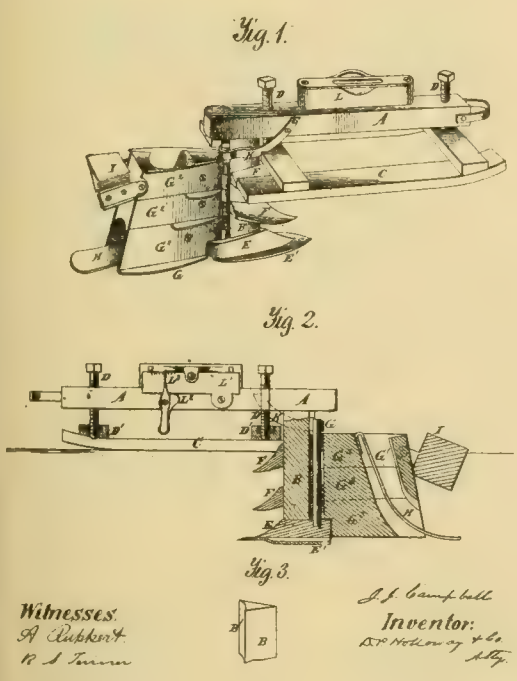
No. 176,201. Patented April 18, 18[illegible]



J. J. CAMPBELL.

DITCHER AND TILE LAYER.

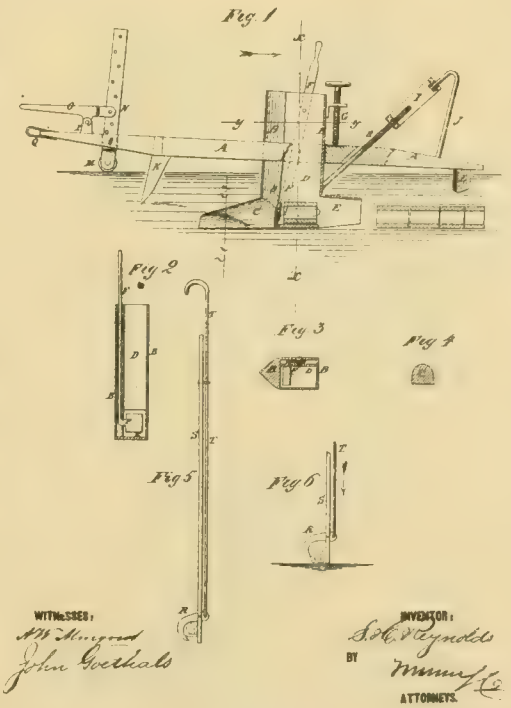
No. 178,231. Patented June 6, 1876.



S. H. REYNOLDS.

TILE-LAYING MOLE-PLOW.

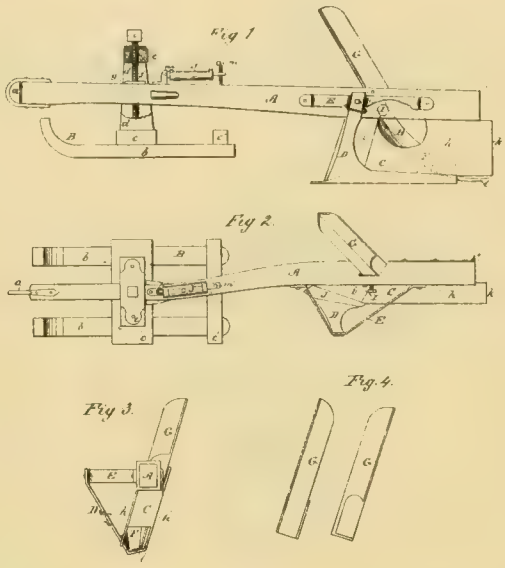
No. 178,957. Patented June 20, 1876



D. T. LUCAS.

DITCH-DIGGING AND TILE-LAYING MACHINE.

No. 180,044. Patented July 18, 1876.



WITNESSES:

W. W. Hollingsworth

Geo. W. Kenner

INVENTOR:

David T. Lucas

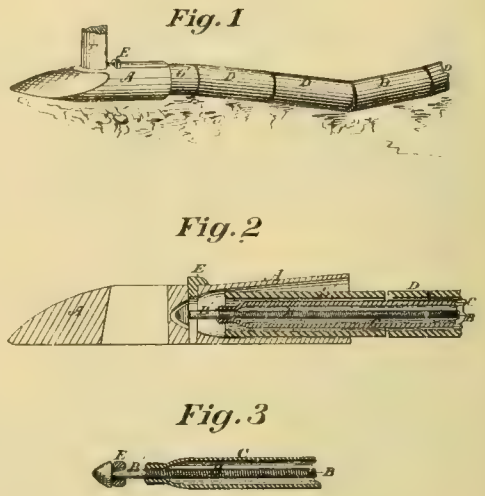
BY Munn & Co.

ATTORNEYS.

C. B. KLINE.

LAYING DRAIN-TILES

No. 188,149. Patented March 6, 1877.



Witnesses:-

Frank P. Davis

C. T. Havenner

Inventor:

Chas. Buckwalter

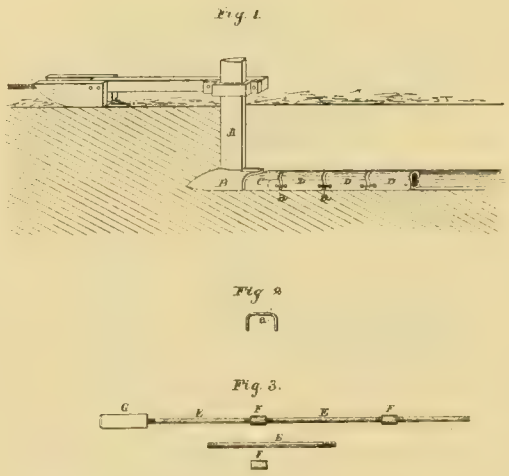
by C. A. Rowe

his Attorney.

T. G. COIL.

DITCHING AND TILE LAYING.

No. 188,773. Patented March 27, 1877.



Witnesses:

Wm. Mullikin

J. G. Gardner

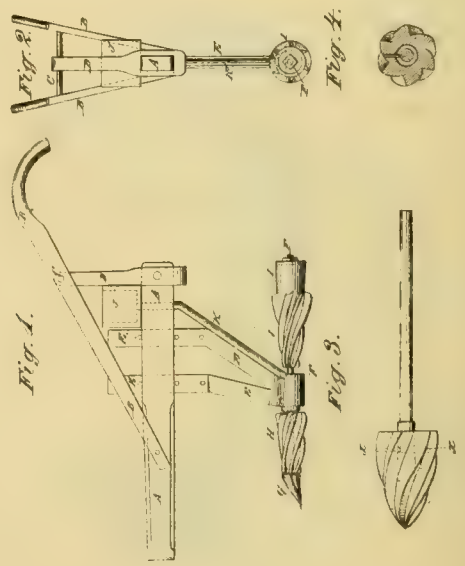
Inventor:

T. G. Coil.

W. W. SNYDER.

FLUE DITCHER.

No. 189,667. Patented April 17, 1877.



WITNESSES:

H. Wilgenest

J. H. Scarbrough

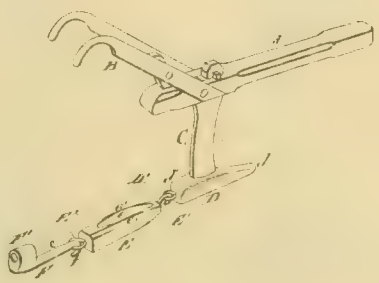
INVENTOR:

W. W. Snyder

BY Munn & Co.

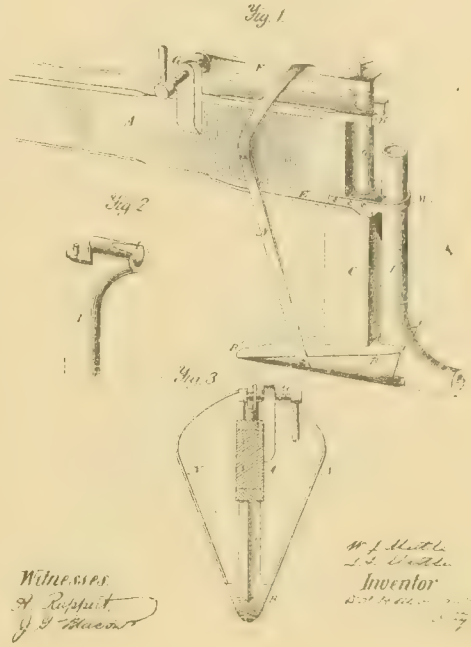
ATTORNEYS.

A. SWIFT.
DITCHING AND DRAINING MACHINE.
No. 190,096. Patented April 24, 1877.



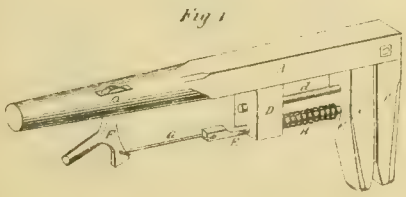
WITNESSES
INVENTOR
ATTORNEYS.

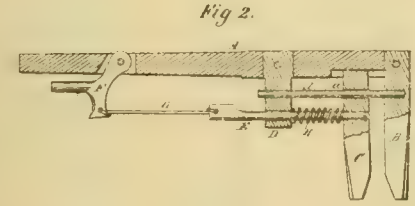
W. J. & J. I. METTLER.
TILE-LAYING MACHINE.
No. 193,019. Patented July 10, 1877



Witnesses.
Inventor

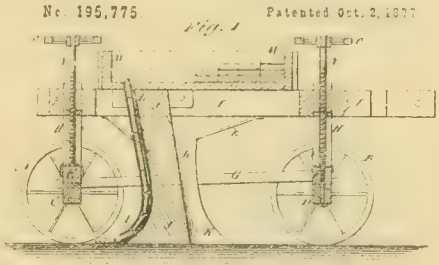
W. L. TYNER.
IMPLEMENTS FOR LAYING TILE.
No. 195,186. Patented Sept. 11, 1877.

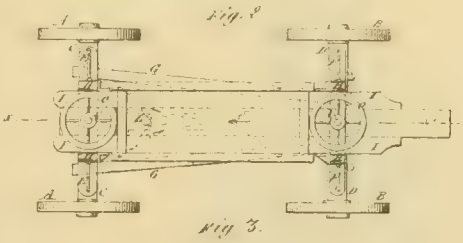


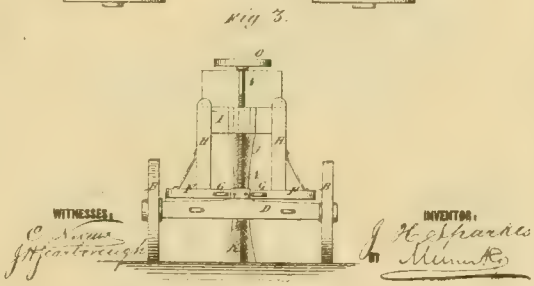


Witnesses
Inventor
William L. Tyner
by Lovell C. Carlton
Atty.

J. H. SPARKES.
TILE-LAYING MACHINES.
No. 195,775. Patented Oct. 2, 1877







WITNESSES:
INVENTOR:

J. I. & W. J. METTLER.
Tile-Laying Machine.

No. 200,557. Patented Feb. 19, 1878.

Fig. 1.

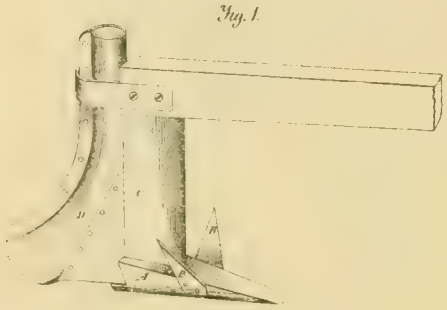


Fig. 2.

Witnesses

Inventor.

2 Sheets—Sheet 1

J. I. & W. J. METTLER.
Tile Laying Machine.

No. 201,548. Patented March 19, 1878.

Fig. 1.

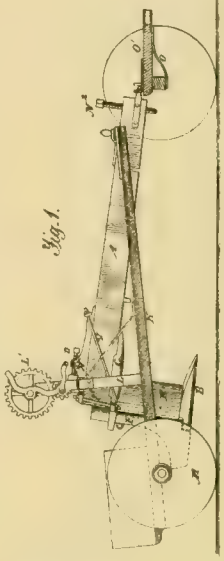
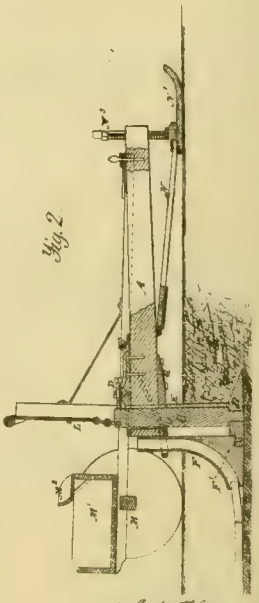


Fig. 2.



Witnesses:
A. Ruppert
Wm. H. Bates

Inventor.

2 Sheets—Sheet 2

J. I. & W. J. METTLER.
Tile Laying Machine.

No. 201,548. Patented March 19, 1878.

Fig. 3.

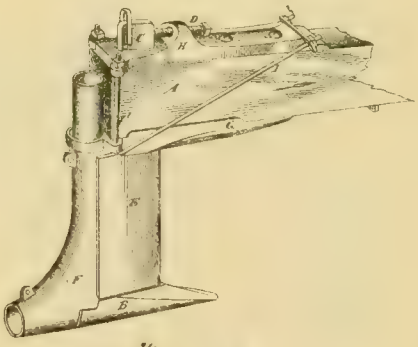
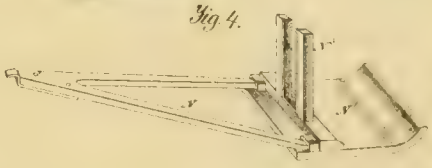


Fig. 4.



Witnesses.
A. Ruppert.
Wm. H. Bates

Inventor.

J. M. FUDGE F. M. HOLMES & S. McDONALD.
Ditching-Plow.

No. 209,756. Patented Nov. 12, 1878.

Fig 1

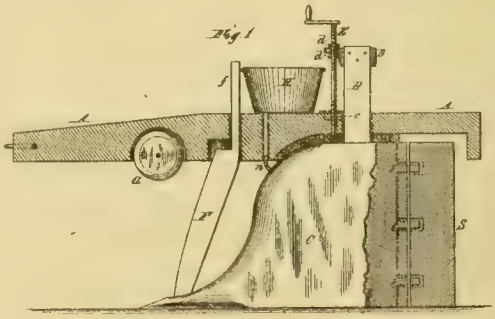


Fig 2.

Fig 3

Fig 4.

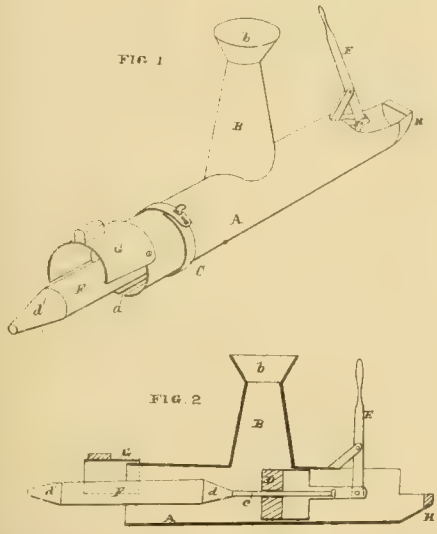
Fig 5

Witnesses
Robert W. Smith
D. P. Lowe

Inventors
S. McDonald
J. M. Fudge
F. M. Holmes
By Worth Osgood
Attorney

E. M. HAMILTON & C. N. EARL.
Apparatus for Making and Laying Continuous Concrete-Pipe.

No. 220,757. Patented Oct. 21, 1879.



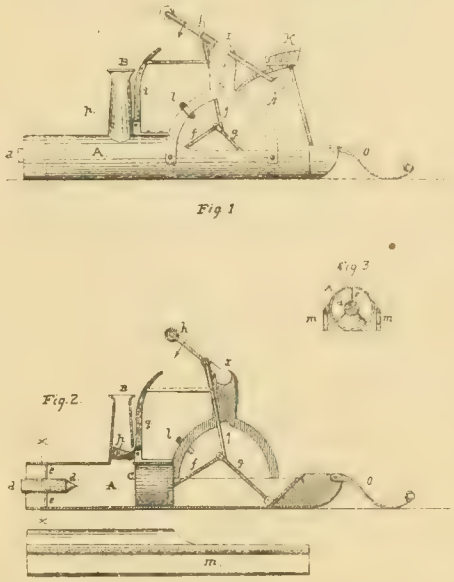
Witnesses
Edgar T. Brooks
Geo. Towne

Inventors
Ezra M. Hamilton
Charles N. Earl
By Dewey & Co. Atty

(No Model.)

W. HAMLET.
Machine for Forming and Laying Continuous Drain Pipes.

No. 231,908. Patented Sept. 7, 1880.



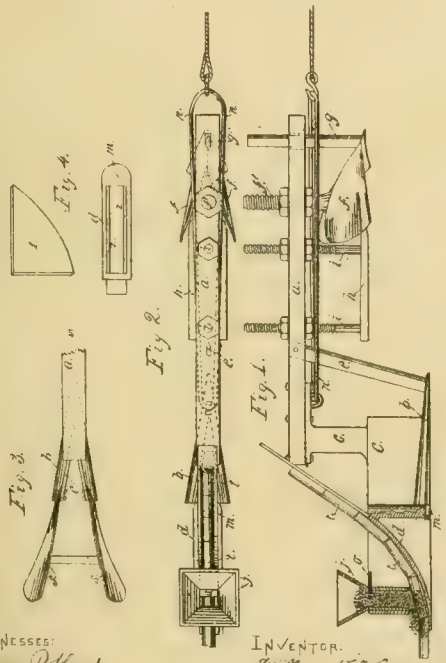
Witnesses
Wm. P. Cox
J. S. Borne

Inventor
William Hamlet
By his Attys
H. Brown & Son

(No Model.)

W. T. WASSON.
DITCHING MACHINE.

No. 259,248. Patented June 6, 1882.



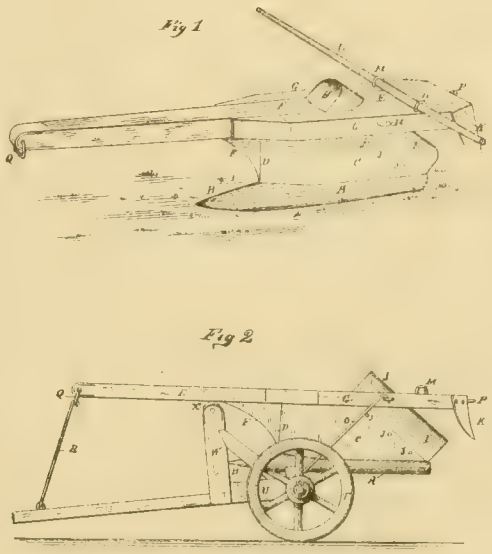
WITNESSES:
Geo. P. Hood
Sam'l T. Shelley

INVENTOR.
William T. Wasson
By H. P. Hood
Atty

(Model.)

A. S. HUGHES.
DITCHING AND TILE LAYING MACHINE.

No. 265,085. Patented Sept. 26, 1882.



WITNESSES:
J. S. Duffield
E. Bridgnick

INVENTOR:
A. S. Hughes
BY Munn & Co.
ATTORNEYS.

	Plate	Claim
Andrus, E.	464	292
Azbill, R. I.	475	295
Baltzer, C. H.	476	296
Bard, E. M.	463	292
Beard, G. A.	466	293
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Bell, F. R.	477	296
Bell, F. R.	477	296
Bergen, C.	461	291
Bradley, B. C.	476	296
Bryan, C. M.	464	292
Burton, O. F. and Hoit L. B.	466	293
Butler, M.	473	295
Canty, T.	476	296
Carpenter, J. C.	479	197
Cartwright, E.	475	295
Clark, J. and Yost, G. W. N.	463	292
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Davis, A. B.	471	294
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Faught, N.	473	295
Fields, J. W.	480	297
Fosdick, L.	470	294
Gaines, R. and Scott, M.	468	293
Gibbs, J.	463	292
Gooch, J. H.	465	292
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Hulbert, S.	462	291
" " (R.)	462	292
Jett, J. R. P.	473	295
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Kennedy, J. T.	481	298
Knight, E. R.	477	296
Knox, S. A.	463	292
Laflin, M. and Slosson, E.	472	295
Lane, J.	470	294
Lane, J.	472	295
Leach, S. J.	468	293
Lewis, C. C.	474	295
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March, T.	468	293
Marsh J. S.	467	293
Matteson, D. C. and Williamson, T. P.	475	295
May, H. H.	461	291
May, J. M.	462	291
Mead, S.	465	292
Miller, W. D.	471	294
Moore, G. H.	465	292
Moore, G.	467	293
Olmsted, S. J.	466	293
Payne, J. M.	475	295
Peacock, G.	474	295
Pitts, W. C.	465	292
Pollock, J.	479	297
Quin, J.	482	298
Richardson, L. W.	473	295
Rider. L. P.	467	293
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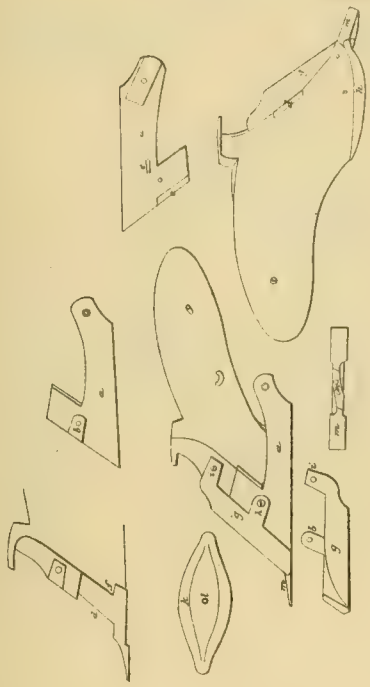
Sessions, F. E. and Knox, S. A.	472	294
Seymour, J.	469	293
Smith, A.	462	291
Smith, D.	470	294
Snider, I.	461	291
Thom, J. W.	478	296
Thompson, L. P.	480	297
Townsend, J. T.	464	292
Trowbridge, R.	467	293
Tucker, A. W.	479	297
Whiteley, W.	469	294
Witherow, S. and Peirce, D.	461	291
Wooldridge, S. H.	481	268

I. SNIDER.

Plow-Moldboard.

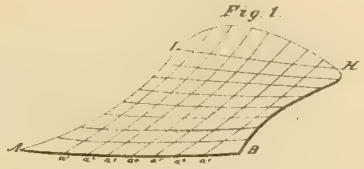
Patented July 2, 1836.

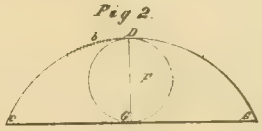


Witherow & Peirce.

Plow Moldboard.

No. 1,367. Patented Oct. 5, 1839.

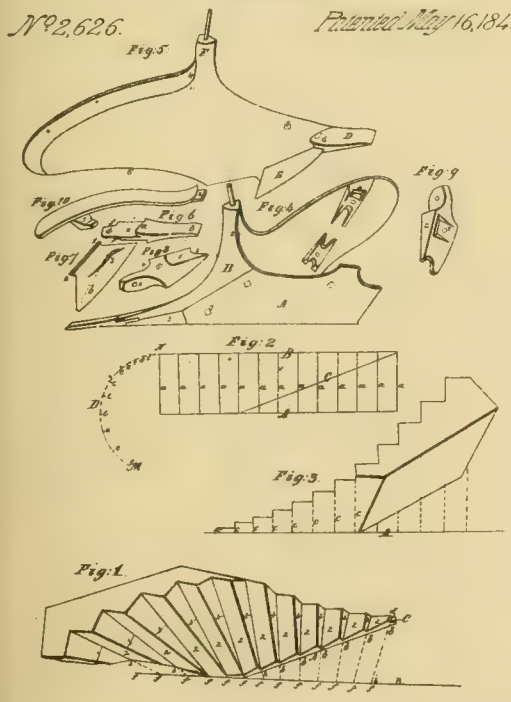




C. Bergen.

Plow Moldboard.

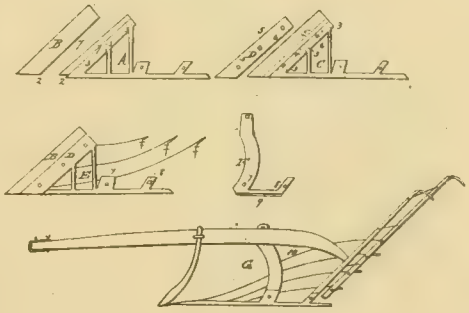
No. 2,626. Patented May 16, 1842.

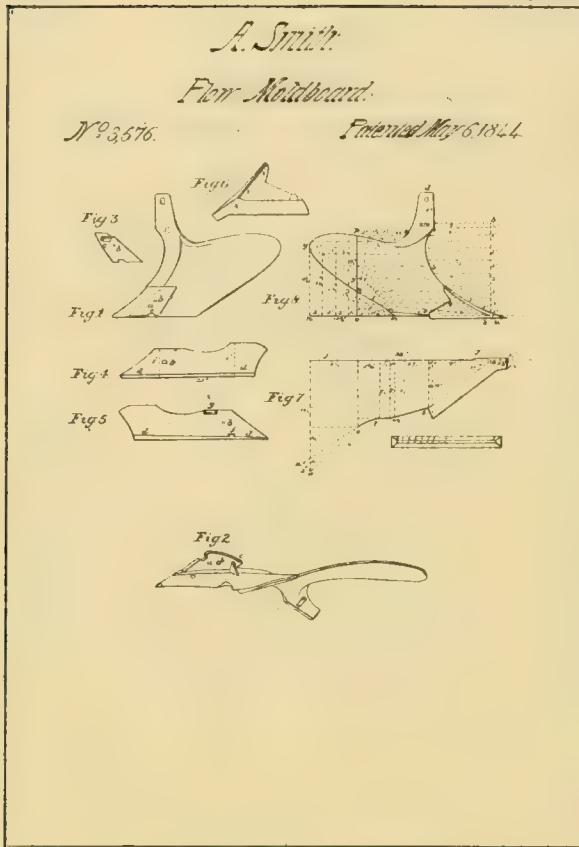


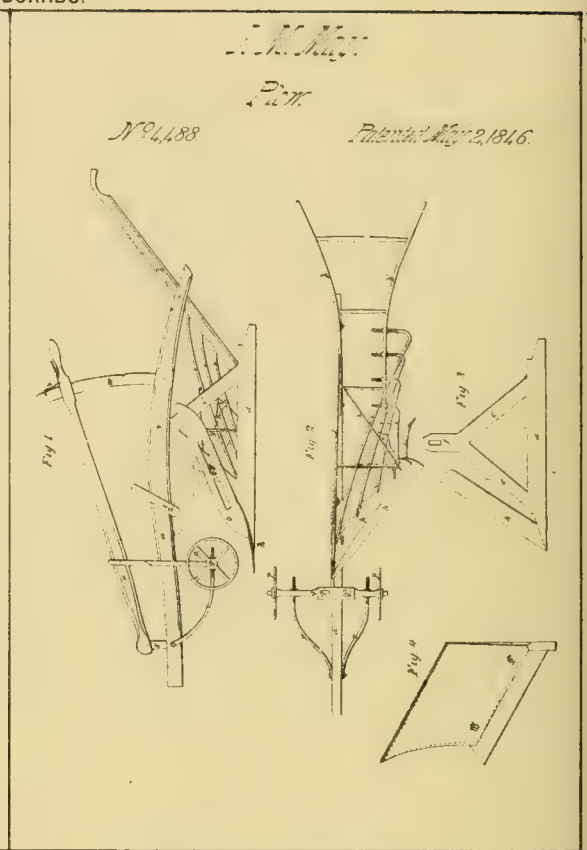
H. H. MAY.

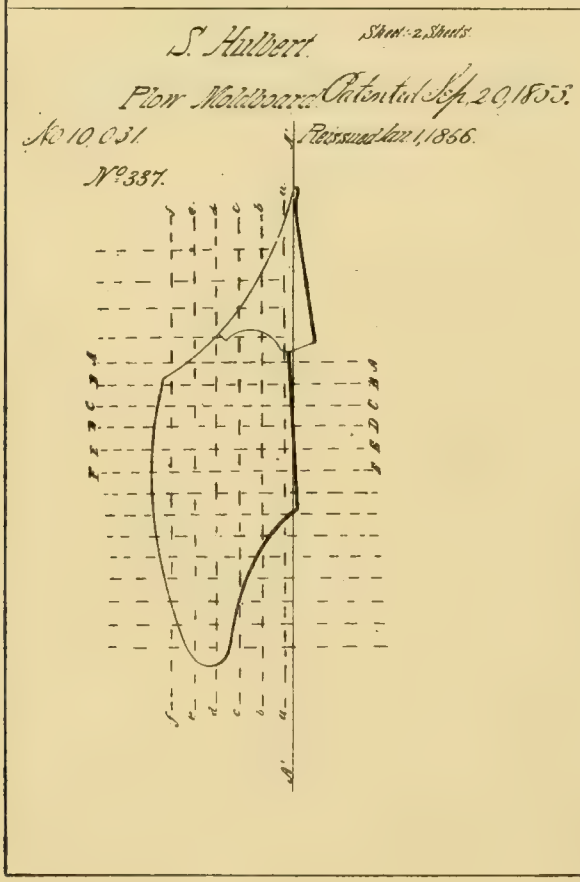
Plow.

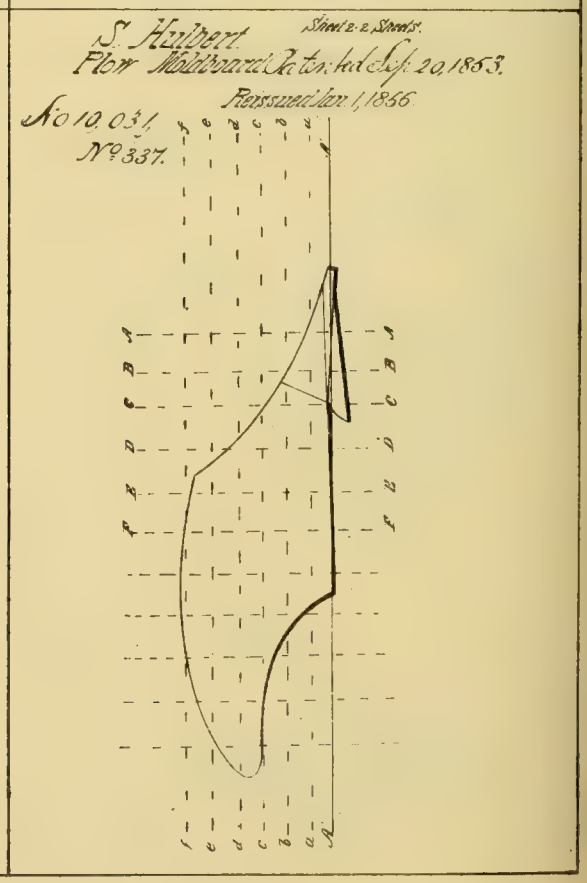
No. 3,069. Patented May 2, 1843.

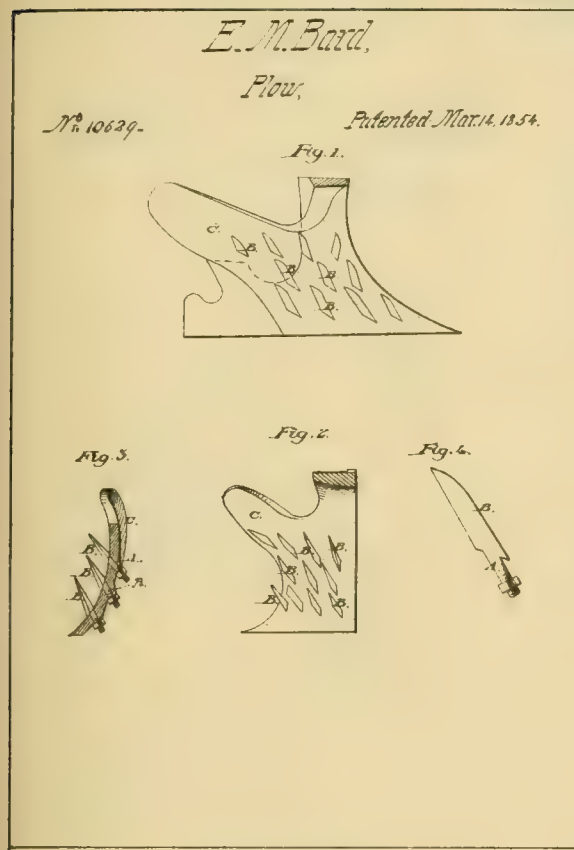


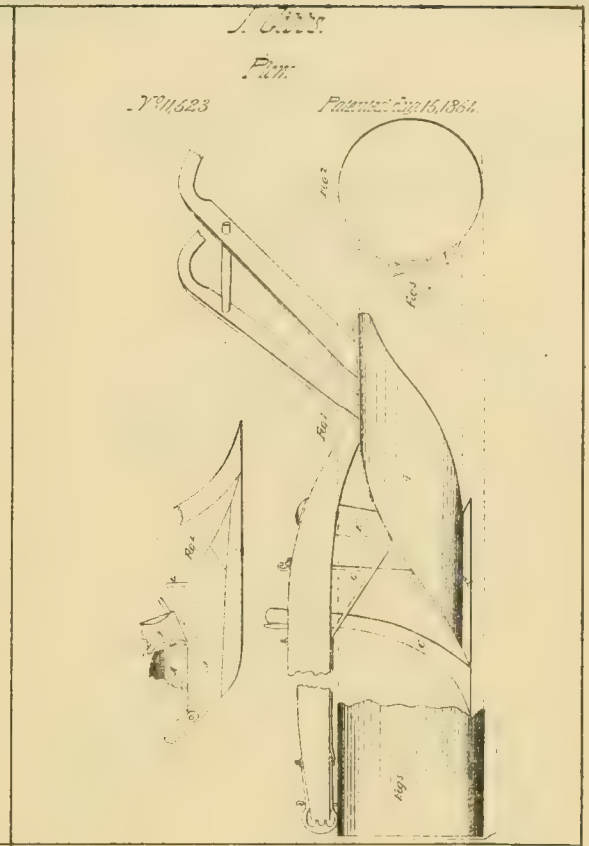

F. Smith.
Plow Moldboard.
No 3,576.
Patented May 6, 1844.
Fig 1
Fig 2
Fig 3
Fig 4
Fig 5
Fig 6
Fig 7

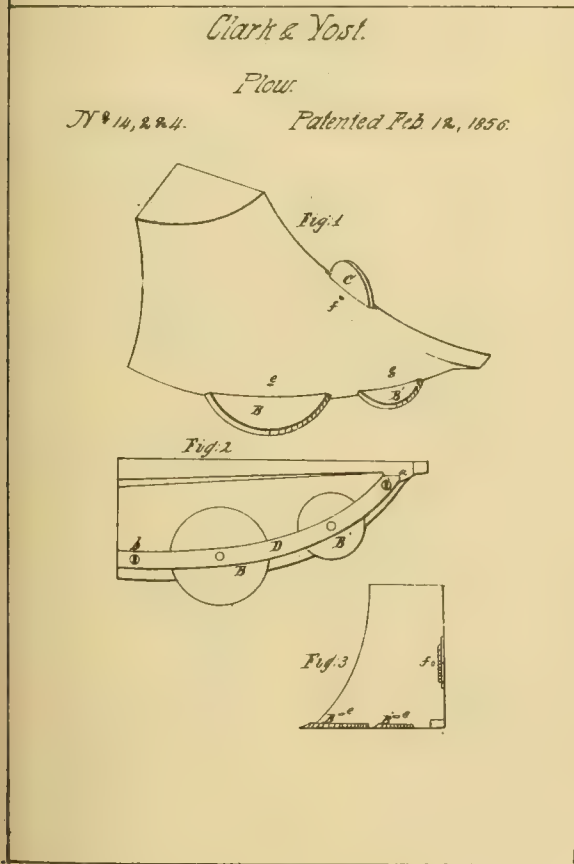

J. M. May.
Plow.
No 4,488.
Patented May 2, 1846.
Fig 1
Fig 2
Fig 3
Fig 4

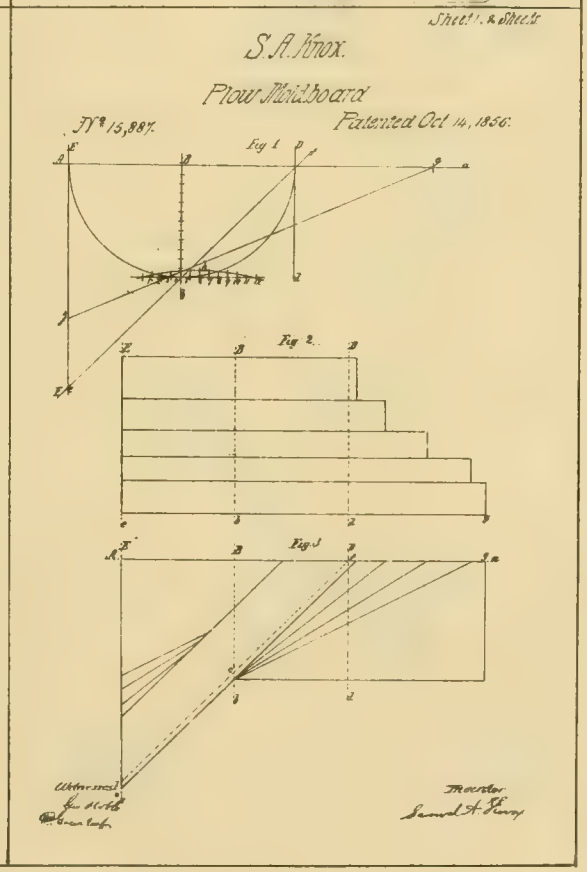

S. Hulbert.
Sheet 2. 2 Sheets.
Plow Moldboard. Patented Sep. 20, 1853.
No 10,031.
Reissued Jan 1, 1866.
No 337.


S. Hulbert.
Sheet 2. 2 Sheets.
Plow Moldboard. Patented Sep. 20, 1853.
No 10,031.
Reissued Jan 1, 1866.
No 337.


E. M. Bard,
Plow.
No. 10629.
Patented Mar. 14, 1854.
Fig. 1.
Fig. 2.
Fig. 3.
Fig. 4.


Plow.
No. 11,523
Patented Sept. 15, 1854.
Sheet 1. 2 Sheets.


Clark & Yost.
Plow.
No. 14,224.
Patented Feb. 12, 1856.
Fig. 1
Fig. 2
Fig. 3

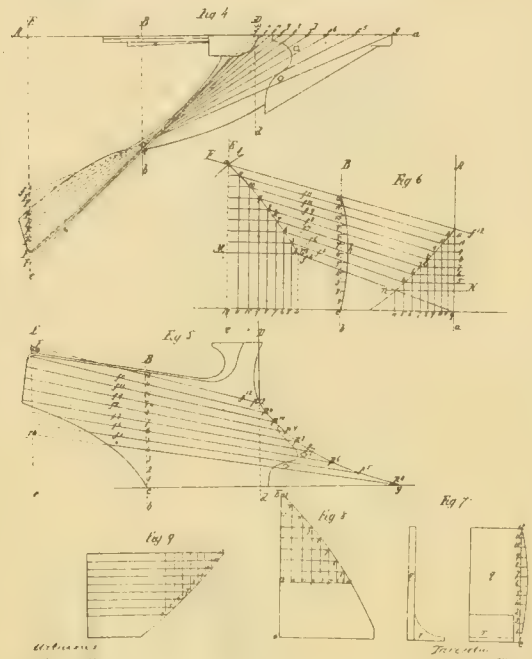

S. A. Knox.
Plow Mold-board
No. 15,887.
Patented Oct. 14, 1856.
Fig. 1
Fig. 2
Fig. 3
Witnesses
Inventor
Samuel A. Knox

Sheet 2 Sheets

S. A. Knox.

Plow Mold-board.

No. 15,887. Patented Oct. 14, 1856.



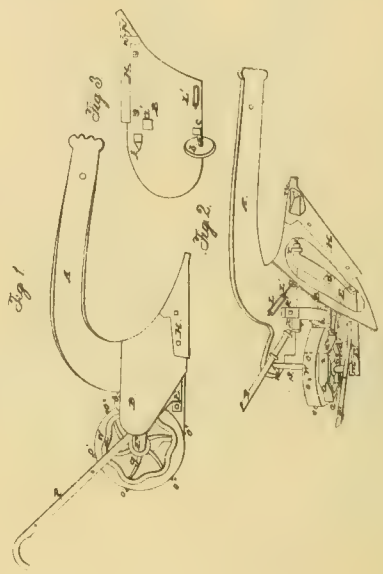
Witnesses
Jas. W. Ok
Wm. Frank

Inventor
Samuel A. Knox

E. ANDRUS.

Plow.

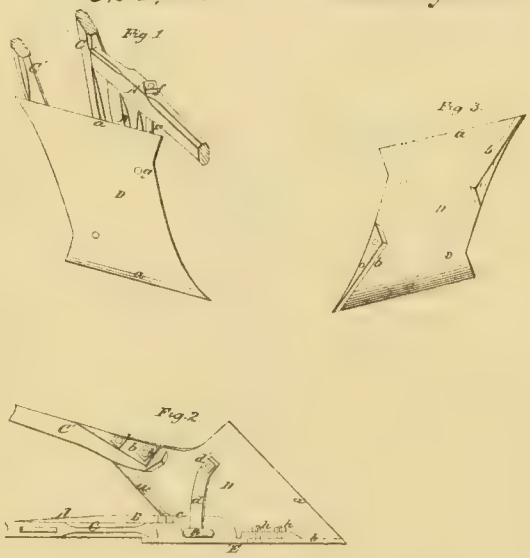
No. 16,901. Patented Mar. 31, 1857.



C. M. Bryan,

Plow.

No 23,898. Patented May 10, 1859.



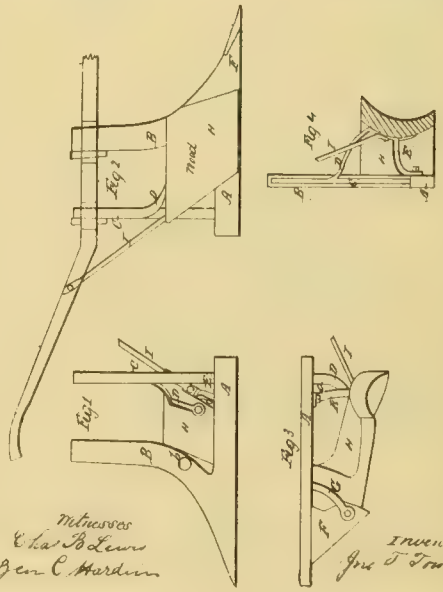
Witnesses
A. P. Hayes
R. Henry Morris

Inventor
C. M. Bryan

J. T. Townsend.

Plow.

No. 26,133. Patented Nov. 15, 1859.



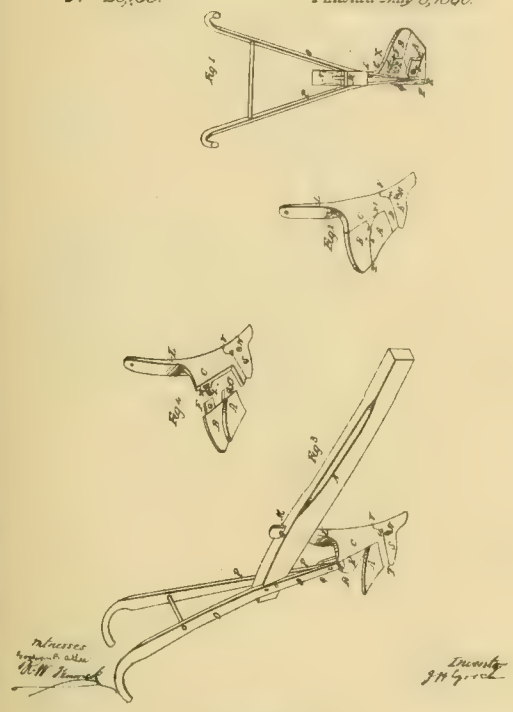
Witnesses
Chas. B. Lewis
Ben C. Harden

Inventor
Jos. T. Townsend

J. H. Cook.

Plow.

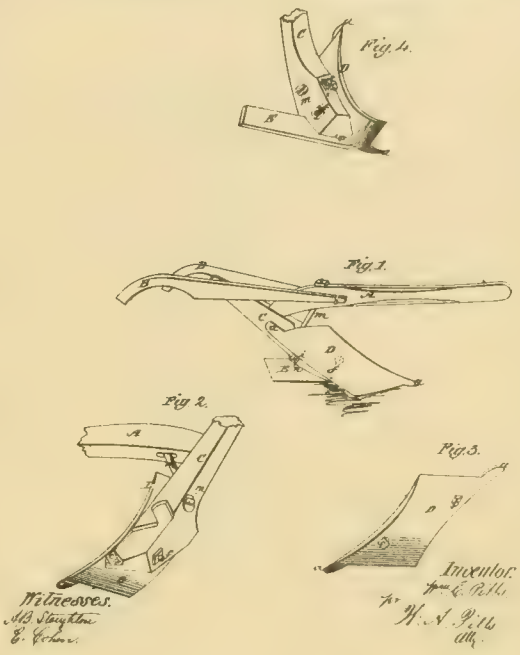
No. 28,169. Patented May 8, 1860.



W. C. Pitts.

Plow.

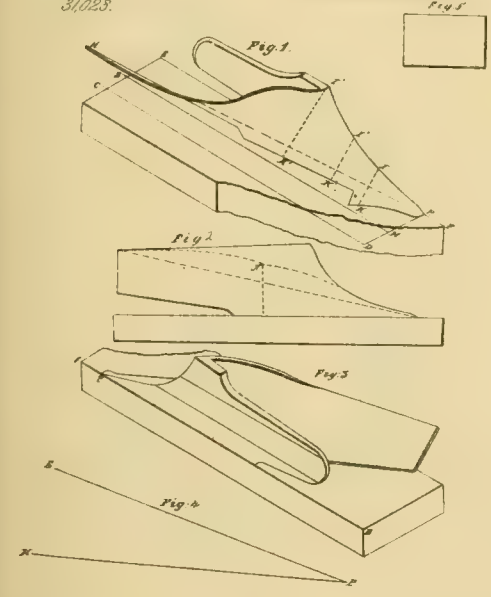
No. 28,329. Patented May 15, 1860.



C. H. Moore.

Plow Mold-board.

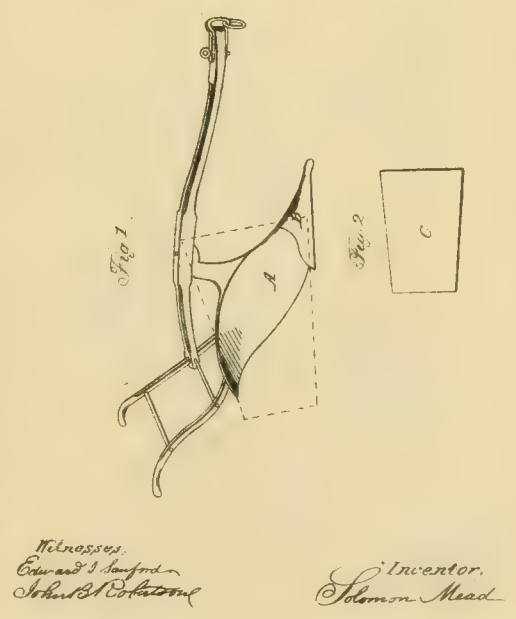
No. 31,028. Patented Feb. 1, 1861.



S. MEAD

Plow.

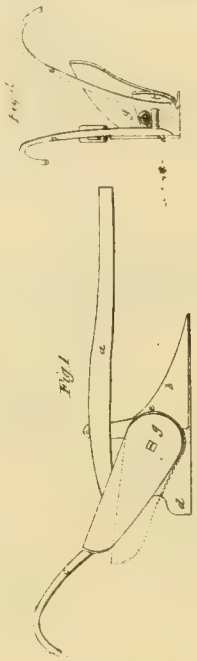
No. 39,943. Patented Sept. 15 1863.



S. J. Olmsted.

Plow

No. 44,915. Patented Sept. 13, 1864.



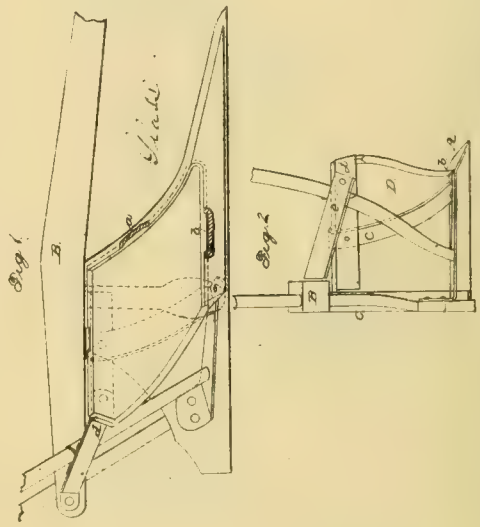
Witnesses.
Geo. Cambright
J. Smith

Inventor.
S. J. Olmsted
by his Atty. Thos. S. Cornell.

BURTON & HOIT.

Plow.

No. 51,917 Patented Jan. 9, 1866.



WITNESSES:
J. H. Phillips
Geo. Cambright

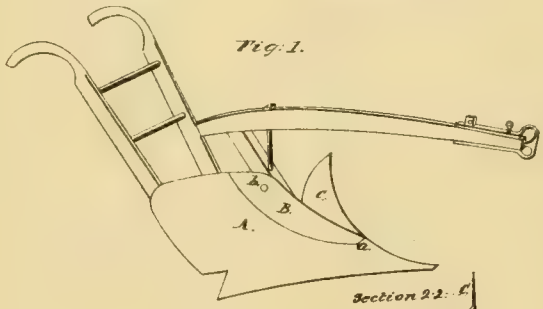
INVENTORS:
Elisha F. Burton
Levi B. Hoit.

S. Beckett.

Plow.

No. 55,984. Patented Jul. 3, 1866.

Fig. 1.



Section 2-2.

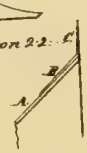
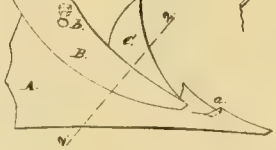


Fig. 2.



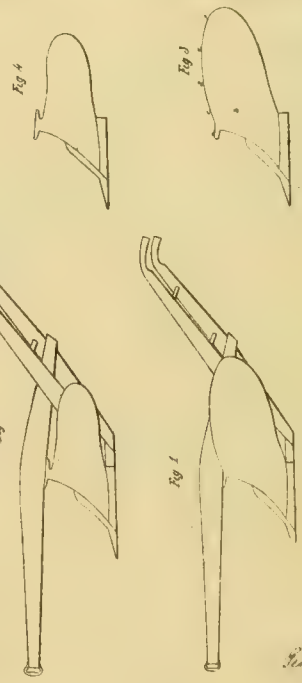
Witnesses
Carl Dupke
L. Homann

Inventor
Solomon Beckett

C. A. Beard.

Plow

No. 57,463. Patented Aug. 28, 1866.



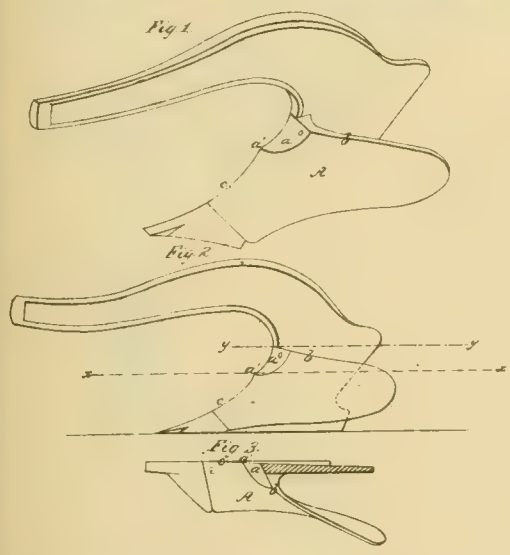
Witnesses,
S. C. Noyes
A. H. Rogers

Inventor,
George A. Beard

J. S. Marsh,

Plow.

No. 58855. Patented Oct. 16, 1866.



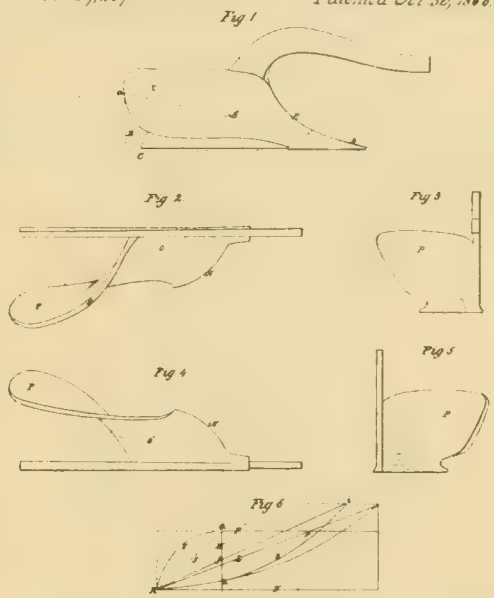
Witnesses,
R. T. Hampfield
Edw. Schaefer

Inventor,
James S. Marsh
by Atty.
Mason Fenwick & Lawrence

I. P. Rider.

Plow Mouldboard

No. 59,267 Patented Oct. 30, 1866.



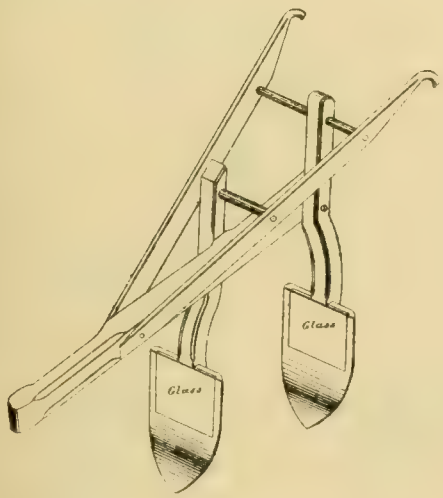
Witnesses:
J. H. Burridge
C. E. Mark

Inventor
I. P. Rider.

B. TROWBRIDGE.

Shovel-Plow.

No. 66,267. Patented July 2, 1867



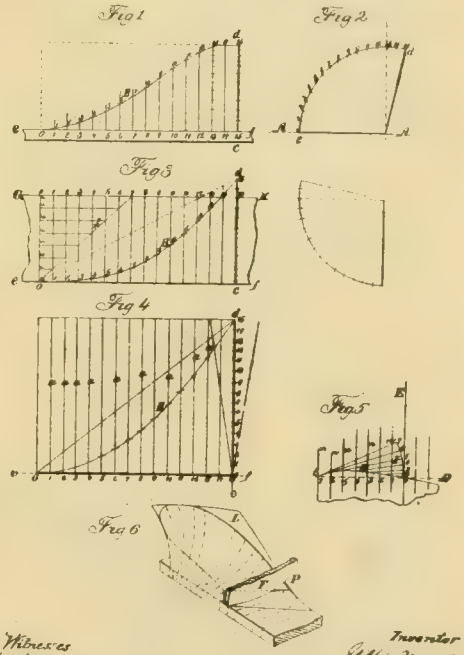
Witnesses:
[illegible]

Inventor.
Benjamin Trowbridge

G. MOORE

Plow Moldboard.

No. 68,102. Patented Aug. 27 1867



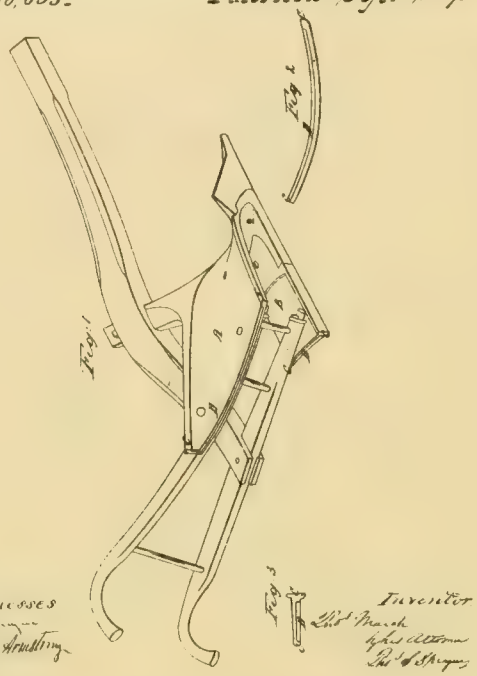
Witnesses
Henry K. Walker
Fr. Clyde Sullivan

Inventor
Gilpin Moore
by Dodge & Sherman
his Attys

T. March,

Making Plow-Irons,

No. 68,635. Patented Sep. 10, 1867.



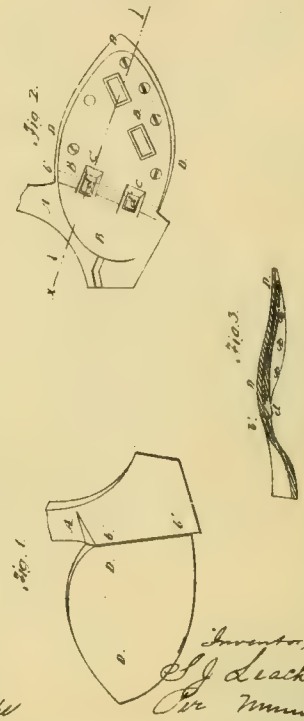
Witnesses
A. R. Arnulling

Inventor
Lind March
by his attorney
Ed. J. Shepherd

S. J. Leach.

Plow.

No. 72305 Patented Dec 17, 1867



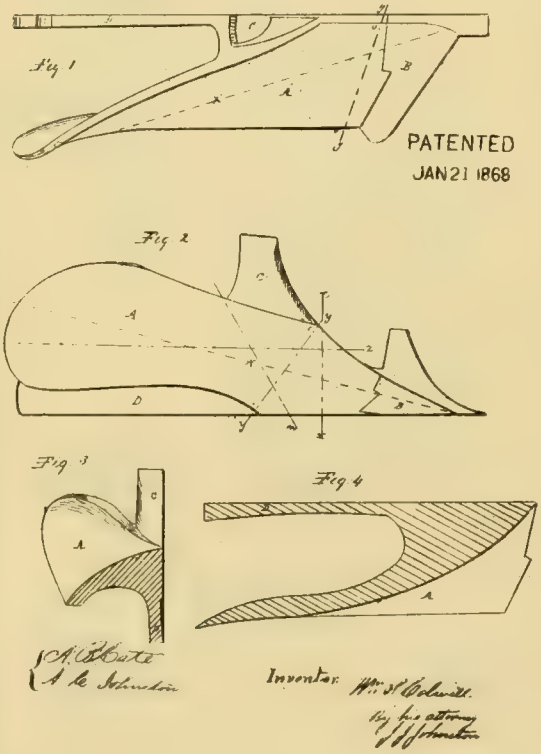
Witnesses;
Theo. Earle
W. Fewin

Inventor,
S. J. Leach
Per Munn & Co
Attorneys

William S. Colwells

Implement Ploughs

73504



PATENTED
JAN 21 1868

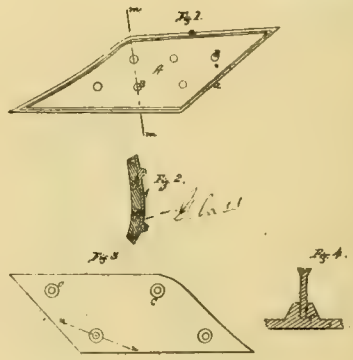
W. A. Coate
A. R. Johnston

Inventor. Wm. S. Colwells.
by his attorney
J. J. Johnston

74679 R. GAINES & M. SCOTT.

IMPROV^T IN PLOW MOULD-BOARDS.

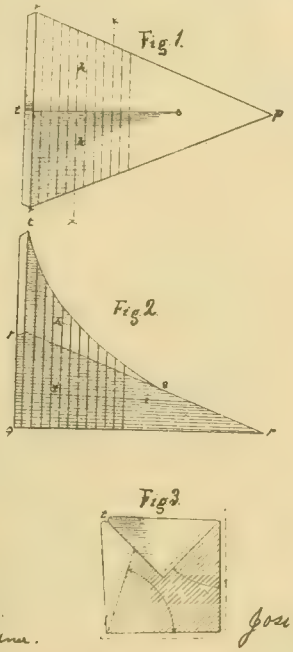
PATENTED
FEB 18 1868



Witnesses:
Jas. R. Hayden
D. Hawley

R. Gaines.
M. Scott
Inventors
By J. B. Turchin
their attorney

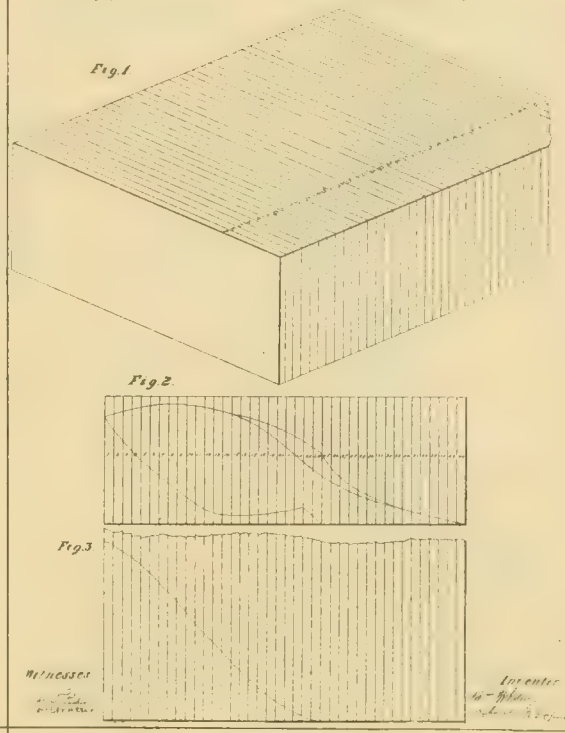
J. Seymour,
Mould-Board.
No. 75,987. Patented Mar. 24 1868.



Witnesses
Geo. C. Green.
S. E. Gardner.

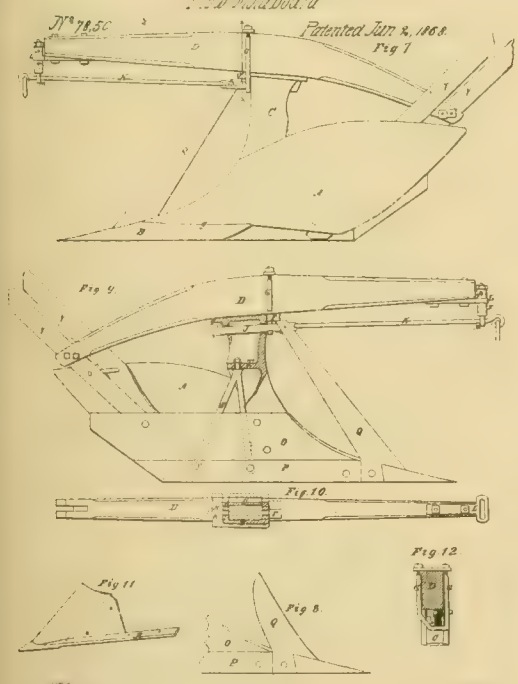
Inventor
Joseph Seymour
by Attorney
J. B. Wardwell & Son

W. Whiteley. Sheet 1. 3 Sheets.
Plow Moldboard.
No. 78,501 Patented Jun. 2, 1868.



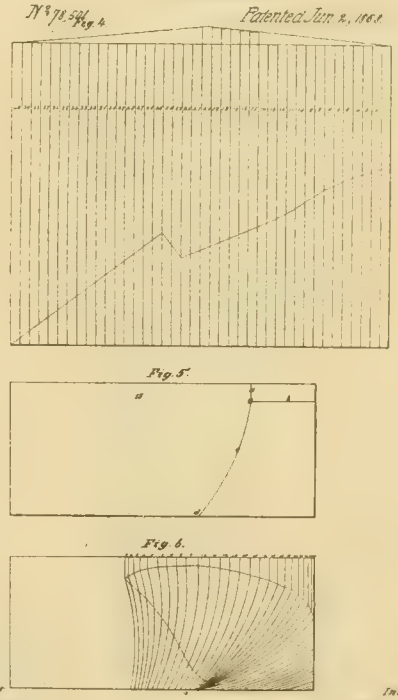
Witnesses
Inventor

Sheet 2. 3 Sheets.
W. Whiteley
Plow Moldboard.
No. 78,500 Patented Jun. 2, 1868.

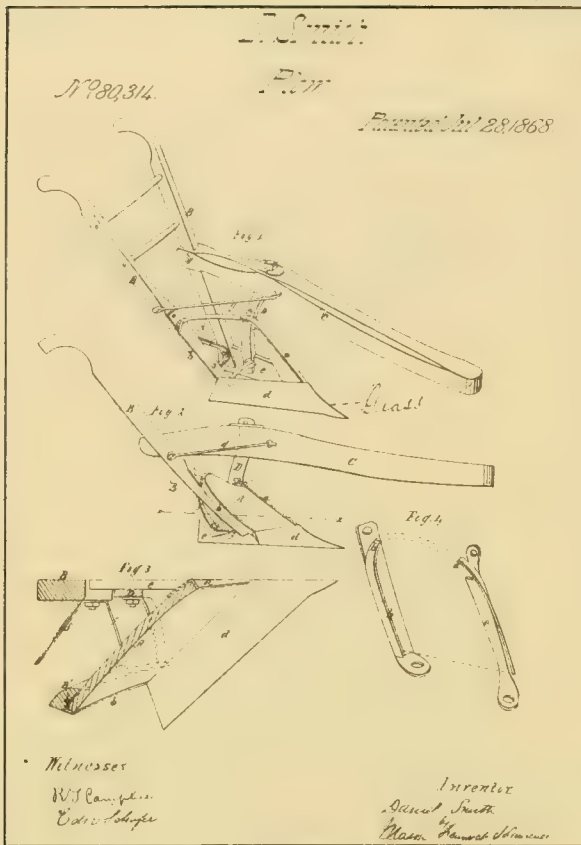


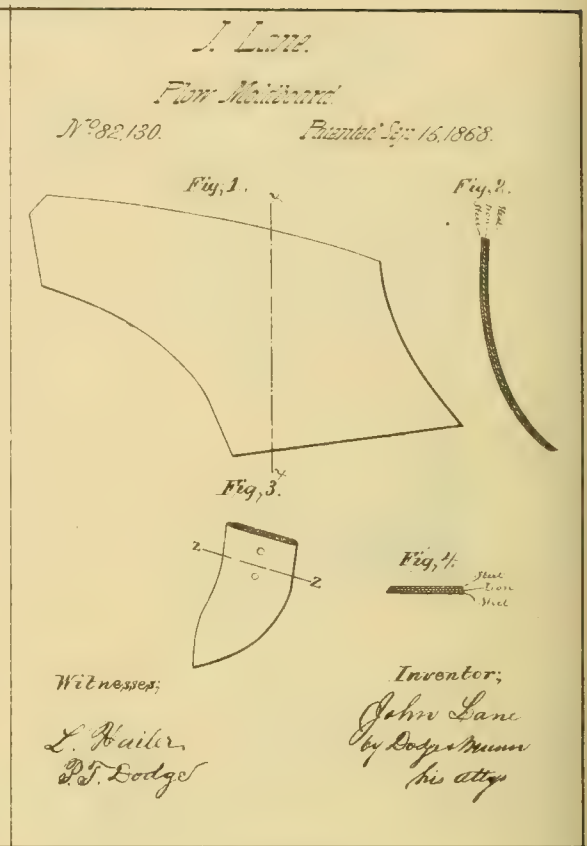
Witnesses
Inventor

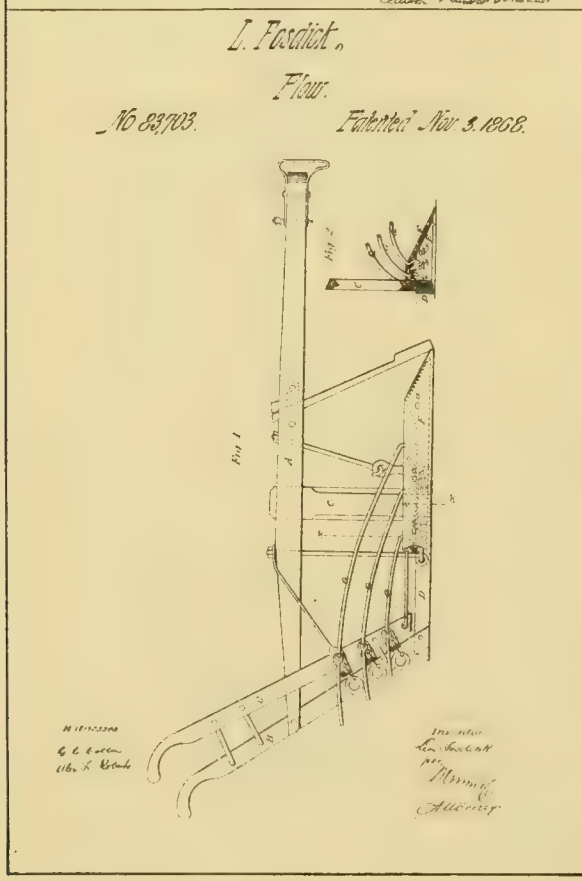
Sheet 3. 3 Sheets.
W. Whiteley
Plow Moldboard.
No. 78,501 Patented Jun. 2, 1868.

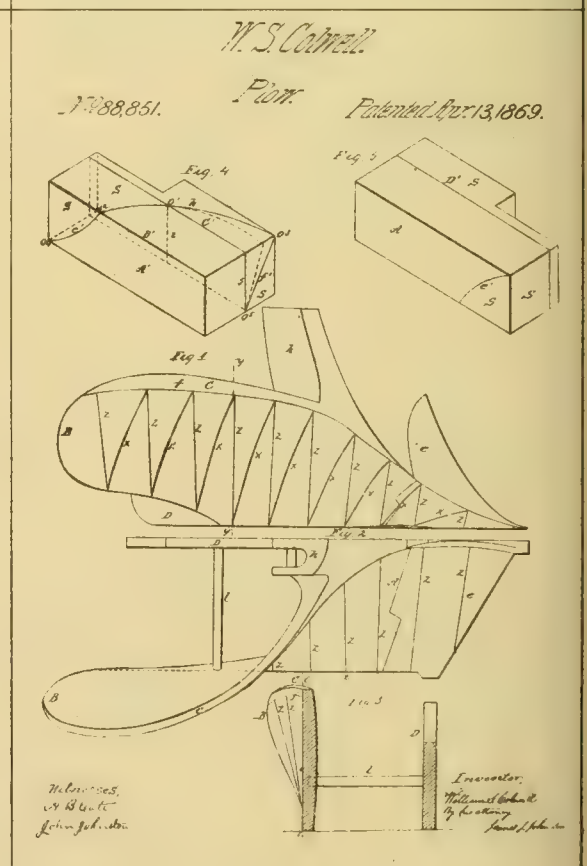


Witnesses
Inventor


L. Smith.
Plow.
No 80,314.
Patented Jul 28, 1868
Witnesses
Inventor


J. Lane.
Plow-Mold-board.
No 82,130.
Patented Sep 15, 1868.
Fig. 1.
Fig. 2.
Fig. 3.
Fig. 4.
Witnesses;
L. Hailer
P. T. Dodge
Inventor;
John Lane
by Dodge & Munn
his attys

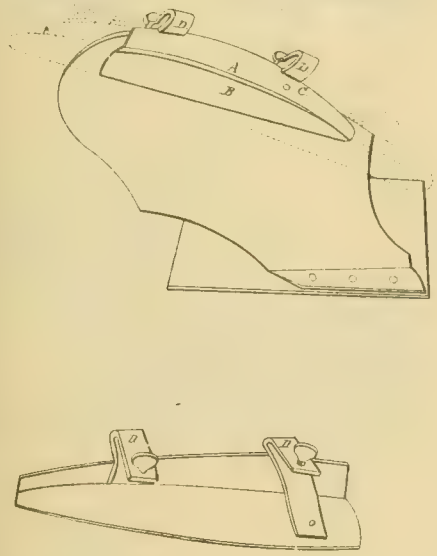

L. Fosdick.
Plow.
No 83,703.
Patented Nov 3, 1868.
Witnesses
Inventor
Attorney


W. S. Colwell.
Plow.
No 88,851.
Patented Apr 13, 1869.
Fig. 1
Fig. 2
Fig. 3
Fig. 4
Witnesses,
Inventor,

I. Kennedy.

Plow.

No. 90,271. Patented May 18, 1869.



Witnesses:
H. W. Bradley
S. M. Rogers

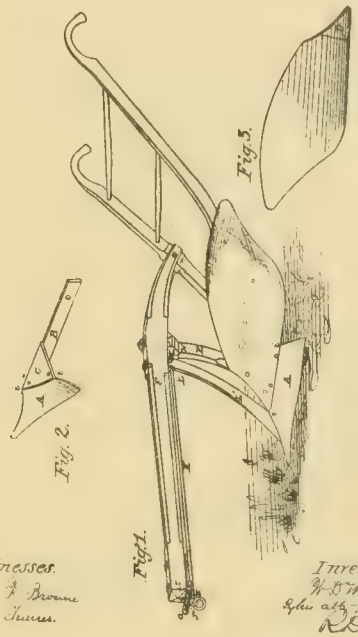
Inventor.
Isaac Kennedy

Sheet 1-2 Sheets.

W. D. Miller.

Plow.

No. 91,472. Patented Jun. 15, 1869.



Witnesses.
W. F. Browne
R. S. Jones.

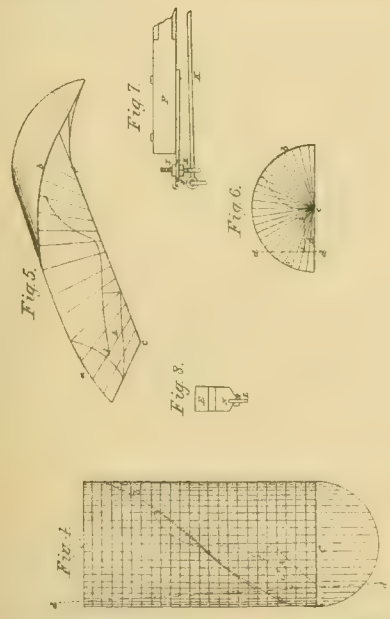
Inventor.
W. D. Miller
by his atty.
R. D. Smith

Sheet 2-2 Sheets

W. D. Miller.

Plow.

No. 91,472 Patented Jun. 15, 1869.



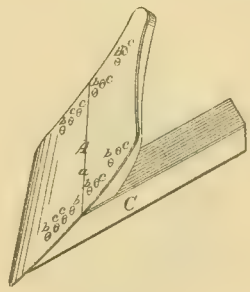
Witnesses
W. F. Browne
R. S. Jones.

Inventor.
W. D. Miller
by his atty.

A. B. Davis,

Plow.

No. 93,284. Patented Aug. 3, 1869



Witnesses.
Rufus R. Clarke.
J. Graham

Inventor.
A. B. Davis

2 Sheets Sheet 1

Sessions & Knox.

Plow Mold board

No. 99,516. Patented Feb. 1, 1870.

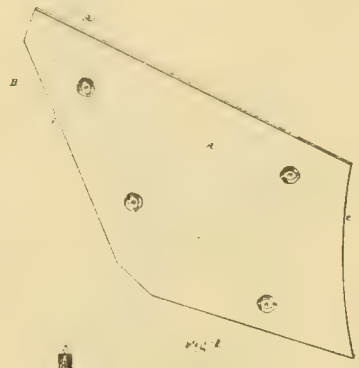


Fig. 1

Fig. 2

Witnesses
Thos. H. Dodge
Albert E. Deere

Inventors
T. C. Sessions
Samuel A. Knox

2 Sheets Sheet 2.

Sessions & Knox.

Plow Mold board.

No. 99,516. Patented Feb. 1, 1870.

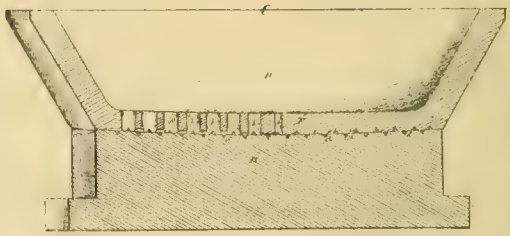


Fig. 3

Witnesses
Thos. H. Dodge
Albert E. Deere

Inventors
T. C. Sessions
Samuel A. Knox

Laflin & Slocum.

Mold board for Plows.

No. 104,166. Patented June 14, 1870.

Fig. 2.

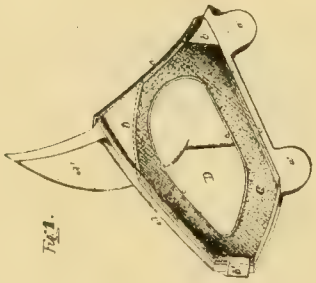


Fig. 1.

Witnesses:
Jesse C. Dowell
H. L. Upjohn

Inventors:
Matthew Laflin
Enos Slocum
By A. Crawford, atty.

J. LANE.

Mold Board for Plow.

No. 107,925. Patented Oct. 4, 1870

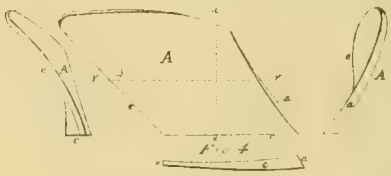
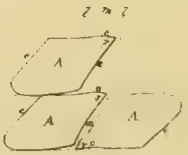


Fig. 2 Fig. 1. Fig. 3. Fig. 4

Fig. 5

Fig. 6

Fig. 7.



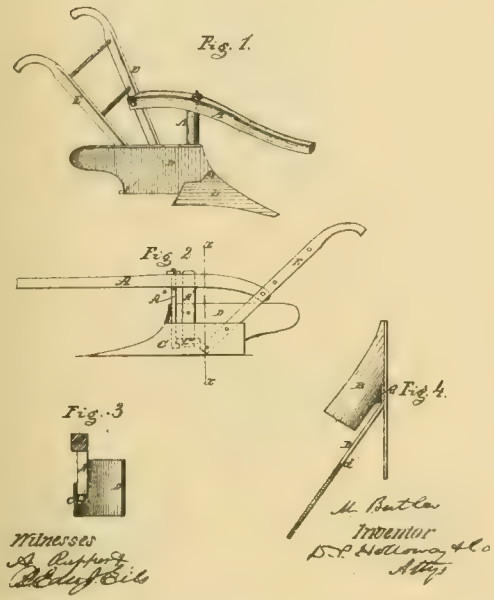
Witnesses
Thomas Taylor Jr.
Wm. A. Sutphine

Inventor:
John Lane
by Dodge & Munn
his attys.

M. Butler,

Plow.

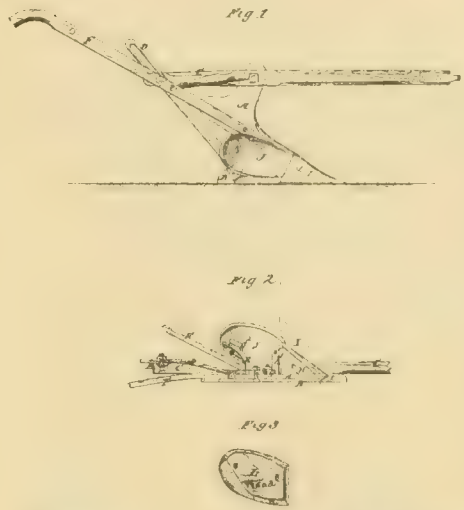
No. 108,004. Patented Oct. 4. 1870.



J. R. P. Pett,

Plow.

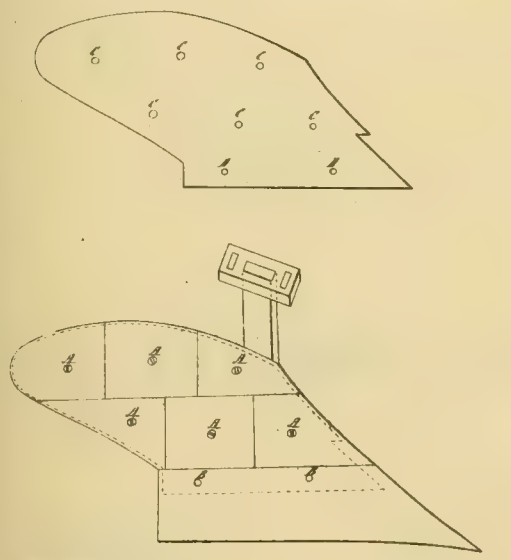
No. 108,149. Patented Oct. 11. 1870.



L. W. Richardson.

Plow.

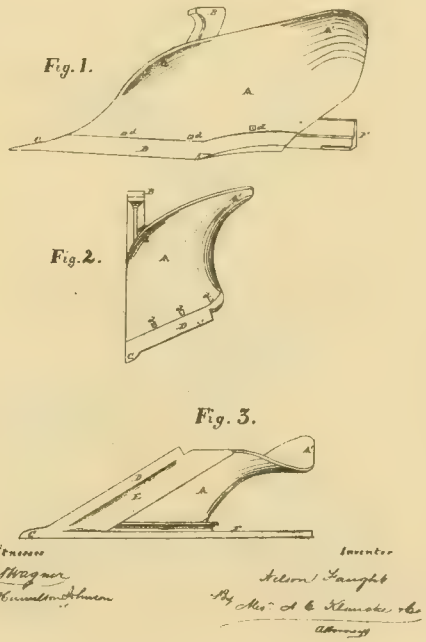
No. 109,250. Patented Nov. 15, 1870



N. Faught,

Plow. Mold Board.

No. 110,758. Patented Jan. 3. 1871.

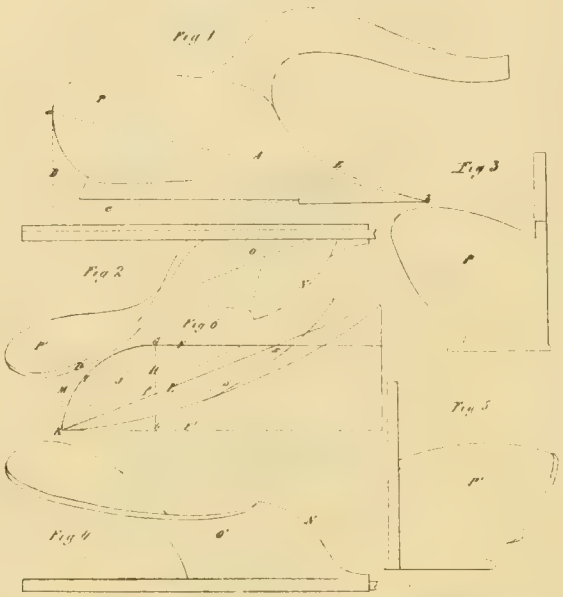


2 Sheets—Sheet 1.

L. P. RIDER.

Improvement in Plow Mold-Boards.

No. 114,044. Patented April 25, 1871.



Witnesses: A. M. Hamer, Thos. D. D. Orrand

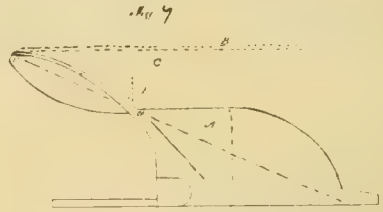
Inventor: L. P. Rider, per Munn & Co. Attorneys.

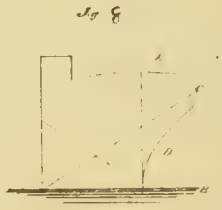
2 Sheets—Sheet 2.

L. P. RIDER.

Improvement in Plow Mold-Boards.

No. 114,044. Patented April 25, 1871.





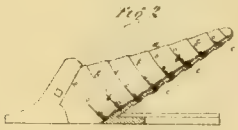
Witnesses: Geo. Neda, D. S. Mabee

Inventor: L. P. Rider, per Munn & Co. Attorneys.

Geo. Peacock.

Moldboard for Plows.

No. 118,551. Patented Aug. 29, 1871.



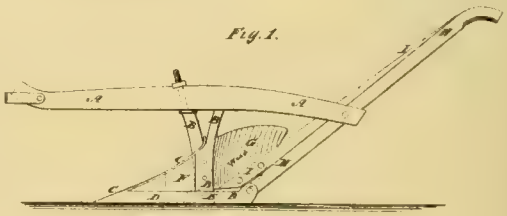
Witnesses: E. S. Ayres, Thos. D. D. Orrand

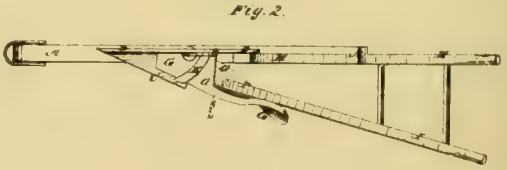
Inventor: Geo. Peacock, per Munn & Co. Attorneys.

C. C. LEWIS.

Improvement in Plows.

No. 130,435. Patented Aug. 13, 1872.

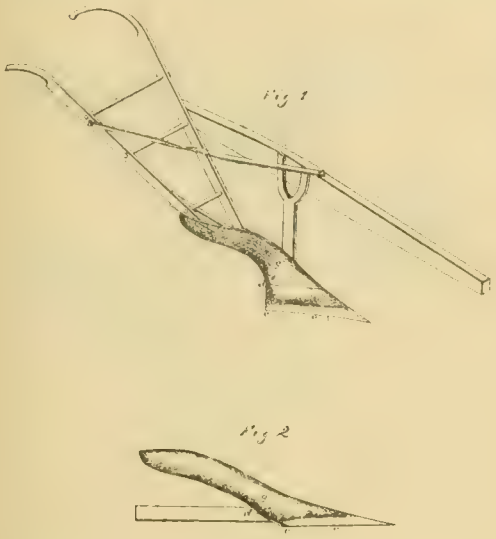




Witnesses: E. Wolff, M. O. Graham

Inventor: Charles C. Lewis, per Munn & Co. Attorneys.

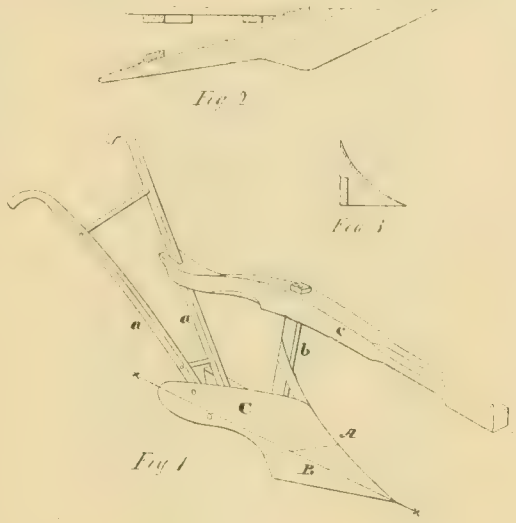
E. CARTWRIGHT.
Plows.
No. 144,255. Patented Nov. 4, 1873.



Witnesses
E. Kyle
F. W. Lehmann

Inventor
E. Cartwright

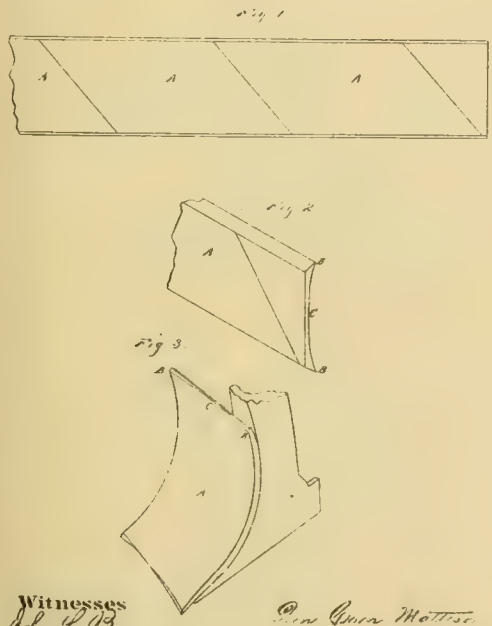
J. M. PAYNE.
Plows.
No 149,515. Patented April 7, 1874.



Witnesses
Phil. W. Shaw
E. H. Bates

Inventor
Jos. M. Payne
by Pierce, Fenner & Smith
Attys

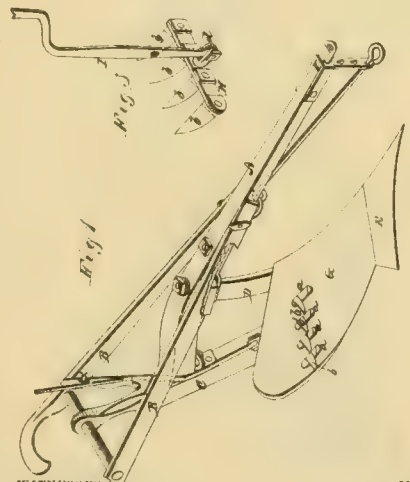
DON C. MATTESON & T. P. WILLIAMSON.
Moldboards for Plows.
No 151,143 Patented May 19, 1874.



Witnesses
John L. Boone
C. H. Richardson

Don Cyrus Matteson
Thomas Perry Williamson
by Dewey & Co
Attys

2 Sheets--Sheet 1.
R. I. AZBILL
Plows.
No. 153,297 Patented July 21, 1874.



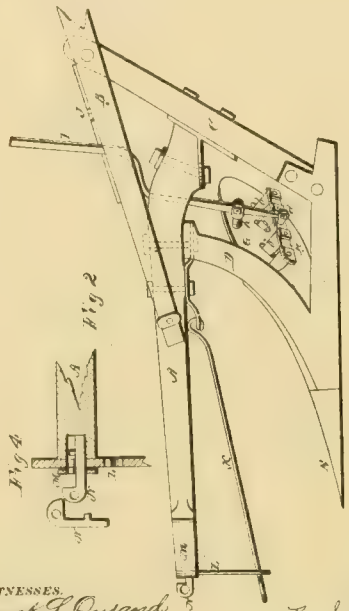
WITNESSES.
Franck L. Durand
G. L. Everts.

INVENTOR
R. I. Azbill.
By Alexander Stuart
Attorneys.

2 Sheets--Sheet 2.

R. I. AZBILL.
Plows.

No. 153,297 Patented July 21, 1874.

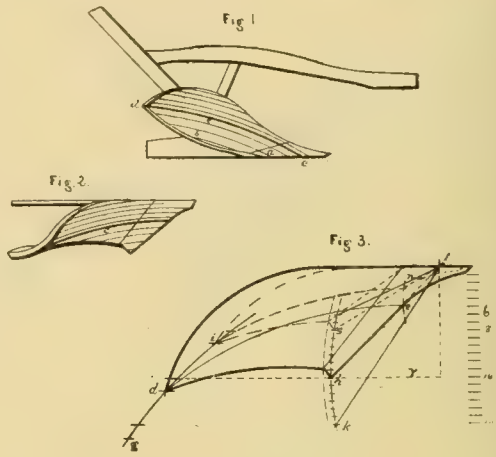


WITNESSES.
Franck L. Durand
G. L. Everts.

INVENTOR
R. I. Azbill.
By Alexander Thrasher
Attorneys.

B. C. BRADLEY.
Plows.

No. 154,119. Patented Aug. 18, 1874.

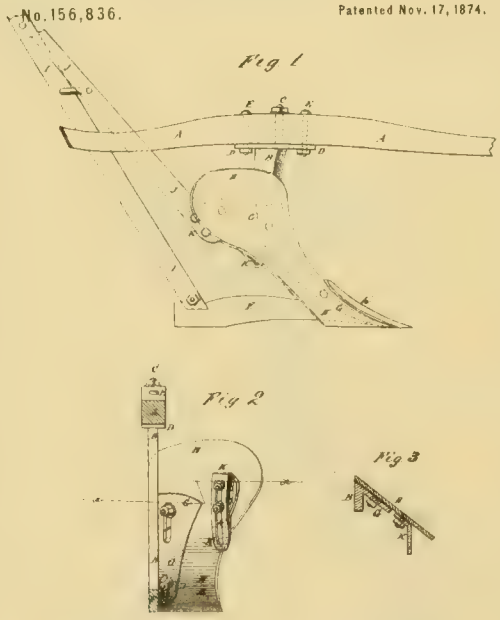


WITNESSES:
E. A. Street
C. W. Bond

Byron C. Bradley
INVENTOR:

C. H. BALTZER.
Plows.

No. 156,836. Patented Nov. 17, 1874.

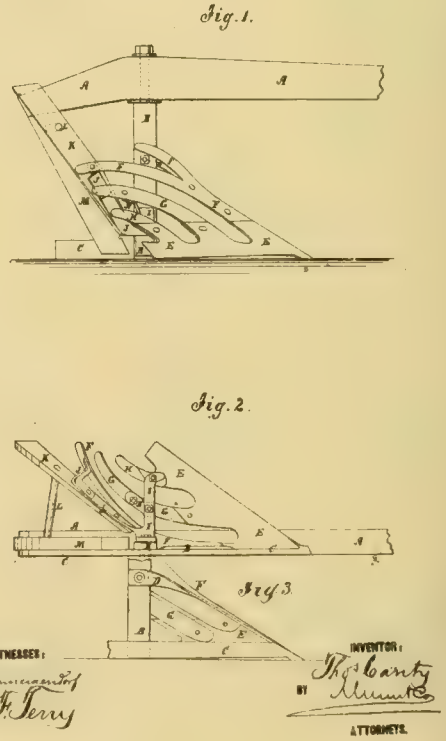


Witnesses:
J. H. Hungerford
P. A. Graham

Inventor:
Charles Henry Baltzer
Per. Munn & Co
Attorneys.

T. CANTY.
Plows.

No 158,026. Patented Dec. 22, 1874.



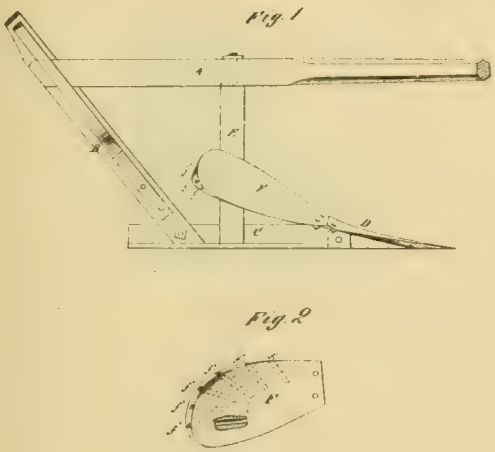
WITNESSES:
A. Demerson Jr
A. F. Perry

INVENTOR:
Thos Canty
BY Munn & Co
ATTORNEYS.

F. R. BELL.

Plow.

No. 163,352 Patented May 18, 1875.



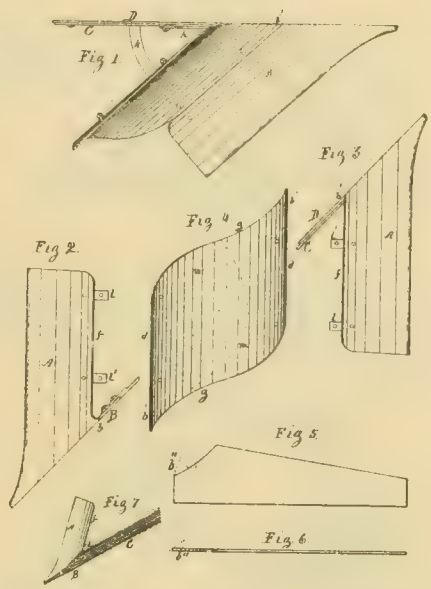
WITNESSES:
A. W. Hingorst
A. F. Fury

INVENTOR:
Francis R. Bell
BY Munn & Co.
ATTORNEYS.

A. HALL.

PLOW.

No. 171,477. Patented Dec. 28, 1875.



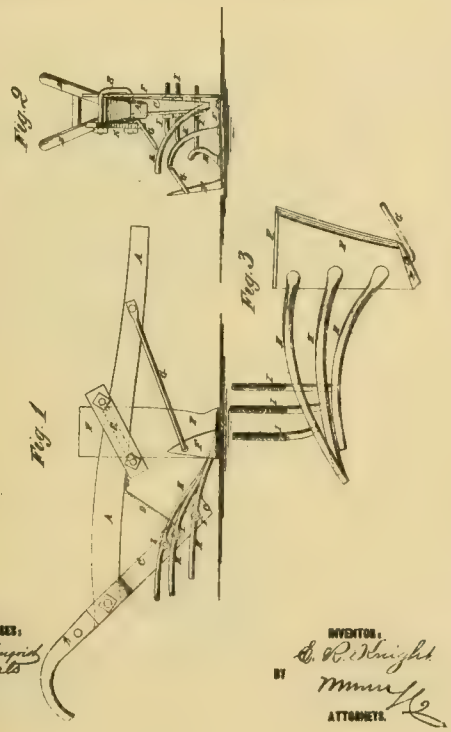
Attest.
J. E. Bechel
J. D. Behel

Inventor
Asa Hall
Per Jacob Behel
Atty

E. R. KNIGHT.

PLOW.

No. 174,423. Patented March 7, 1876



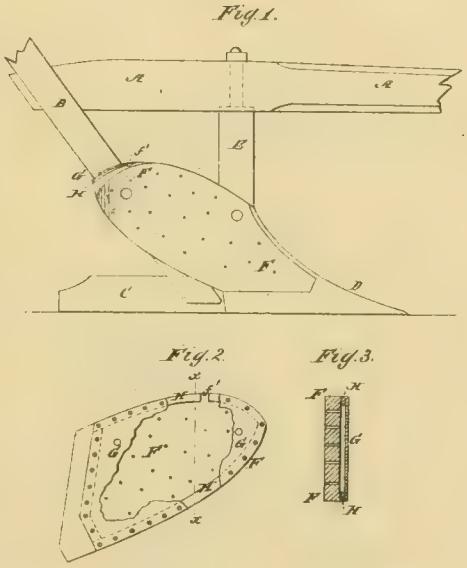
WITNESSES:
A. W. Hingorst
J. Goetkals

INVENTOR:
E. R. Knight
BY Munn & Co.
ATTORNEYS.

F. R. BELL.

PLOW.

No. 178,898. Patented June 20, 1876.



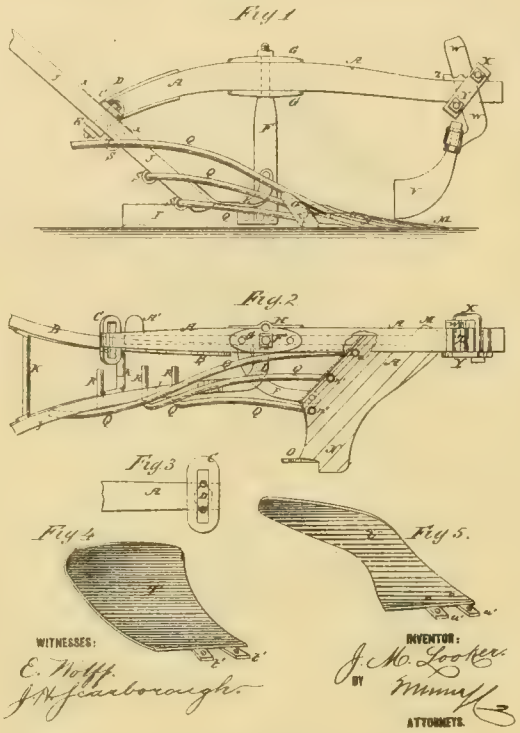
WITNESSES:
C. Wolff
John Goetkals

INVENTOR:
F. R. Bell
BY Munn & Co.
ATTORNEYS.

J. M. LOOKER.

PLOW.

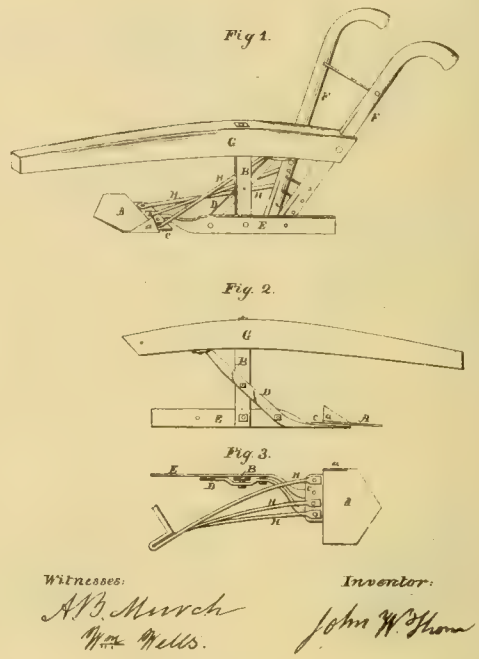
No. 189,636. Patented April 17, 1877.



J. W. THOM.

PLOW.

No. 191,267. Patented May 29, 1877.

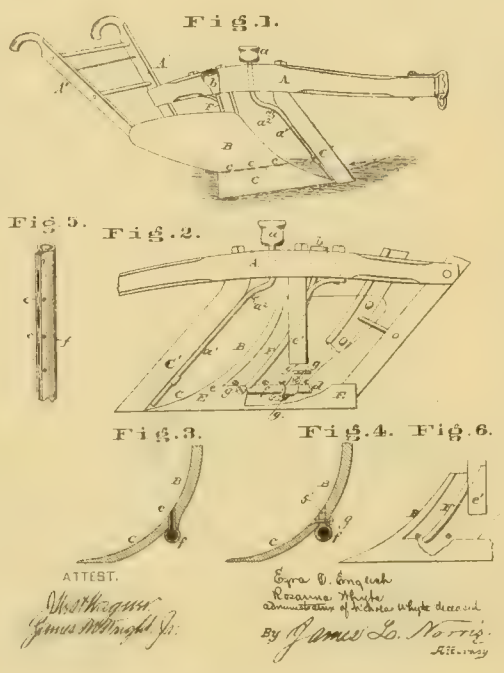


E. O. ENGLISH & N. WHYTE, dec'd.

R. WHYTE, Adm'x. of N. WHYTE, Dec'd.

PLOWS.

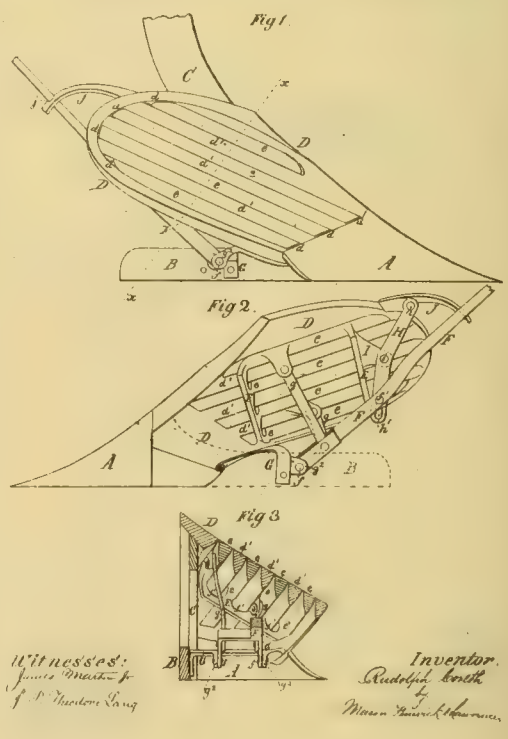
No. 194,231. Patented Aug. 14, 1877.



R. CORETH.

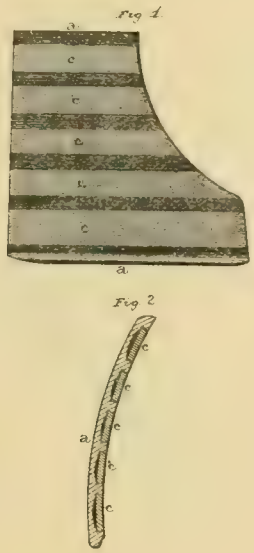
Plows.

No. 196,744. Patented Nov. 6, 1877.



J. POLLOCK.
Plow.

No. 201,355. Patented March 19, 1878.

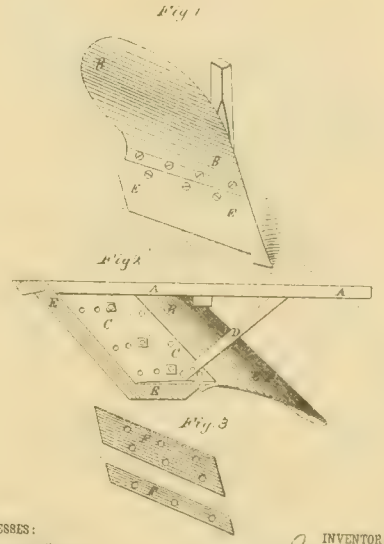


WITNESSES.

INVENTOR.

J. C. CARPENTER
Plow.

No. 201,387. Patented March 19, 1878



WITNESSES:

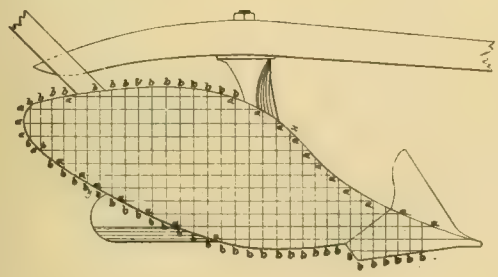
INVENTOR:

BY

ATTORNEYS.

J. LONG.
Plow.

No. 207,751. Patented Sept. 3, 1878.

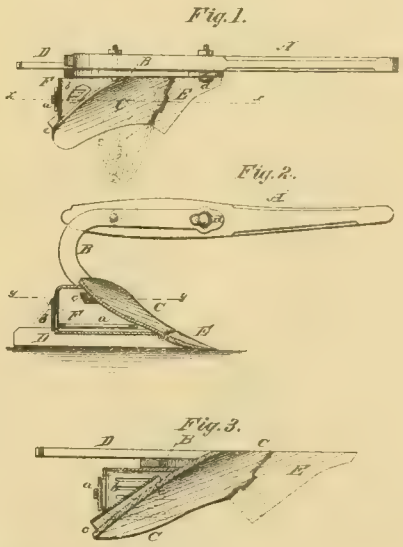


Witnesses

Inventor

A. W. TUCKER.
Plow.

No. 213,149 Patented Mar. 11, 1879.



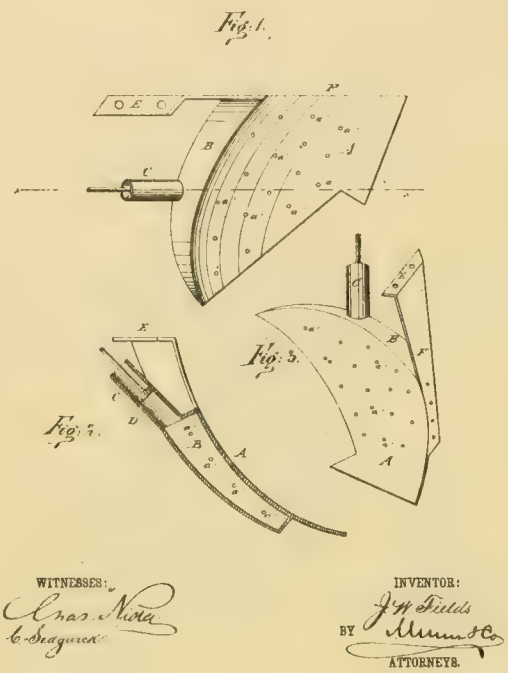
Witnesses:

Inventor:

Per C. H. Walker & Co. Attorneys.

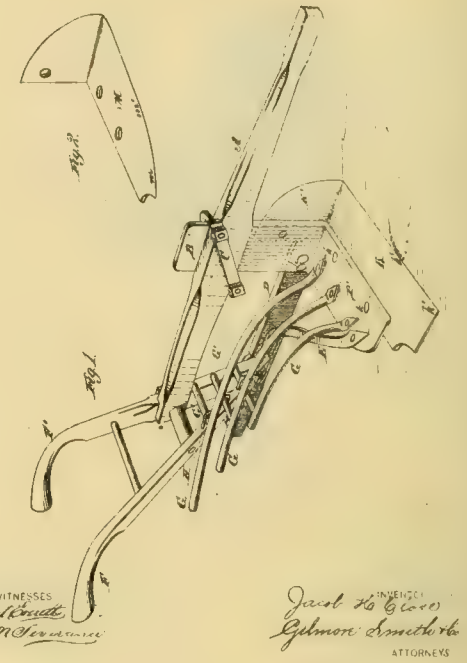
J. W. FIELDS.
Mold-Board for Plows.

No. 223,124. Patented Dec. 30, 1879.



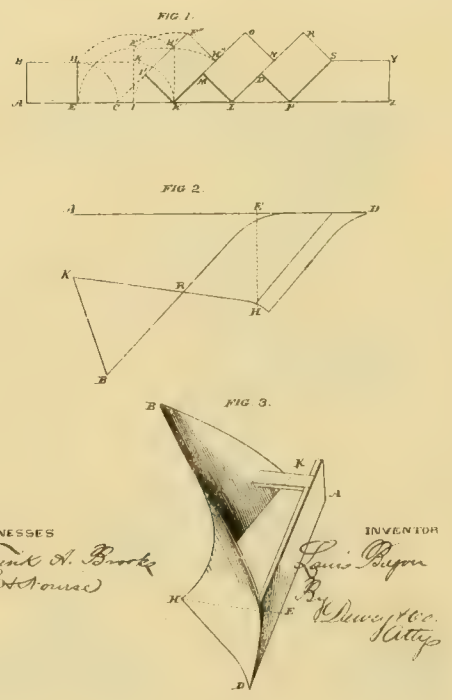
J. H. CLOSE.
Plow.

No. 223,708. Patented Jan. 20, 1880.



L. BEGON.
Plow.

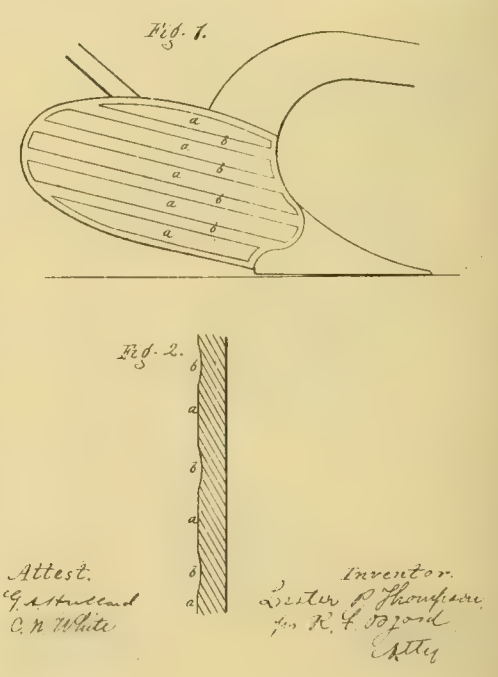
No. 227,405. Patented May 11, 1880.



(No Model.)

L. P. THOMPSON.
Plow.

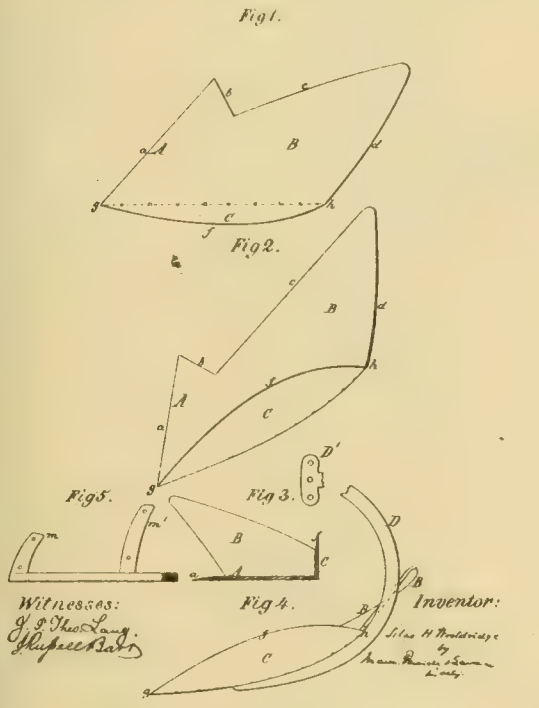
No. 231,378. Patented Aug. 17, 1880.



(No Model.)

S. H. WOOLDRIDGE.
Plow.

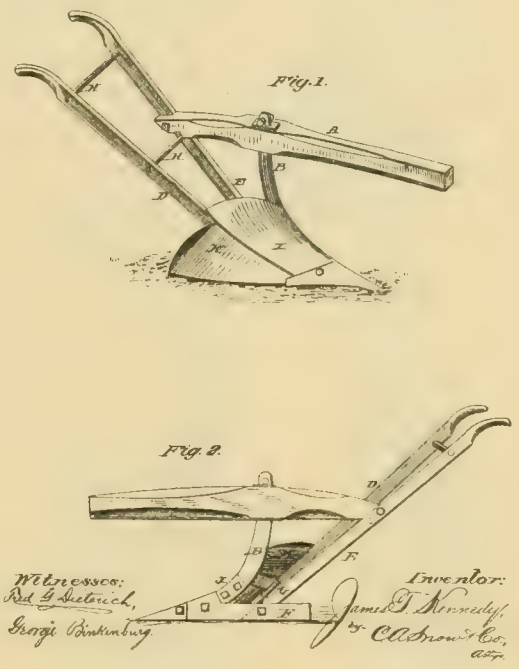
No. 232,868. Patented Oct. 5, 1880.



2 Sheets—Sheet 1.

I. T. KENNEDY.
Plow.

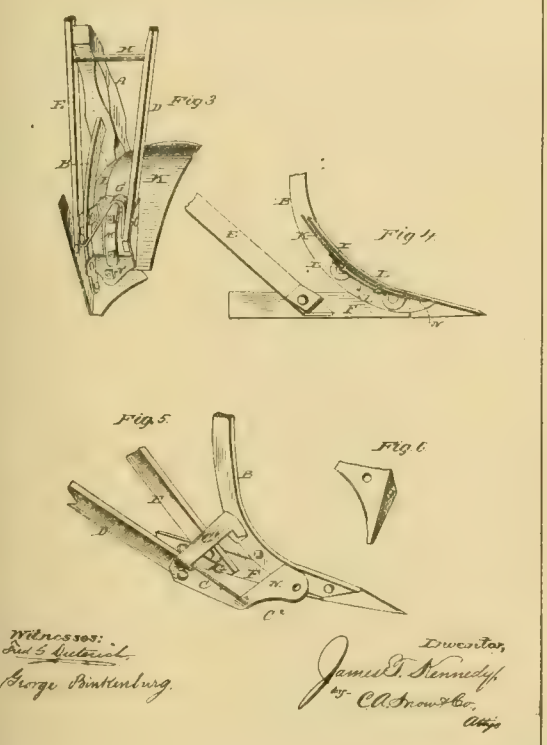
No. 234,915. Patented Nov. 30, 1880.



2 Sheets—Sheet 2

J. T. KENNEDY.
Plow.

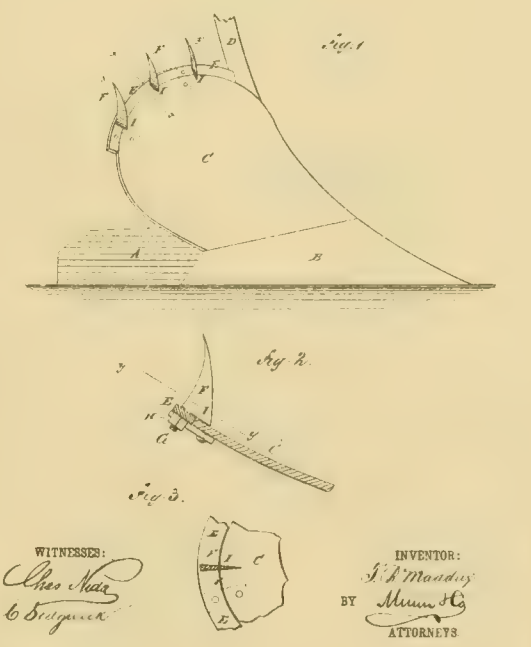
No. 234,915. Patented Nov. 30, 1880.



(No Model.)

T. B. MADDUX.
PULVERIZING ATTACHMENT FOR PLOWS.

No. 247,079. Patented Sept. 13, 1881.

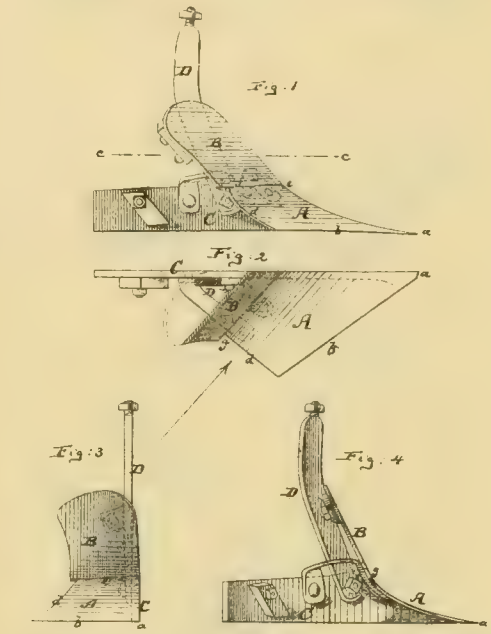


(Model.)

C. DOMSCHKE.

PLOW.

No. 252,022. Patented Jan. 10, 1882.



Witnesses:
Amy F. Dike.
John C. Trumbridge.

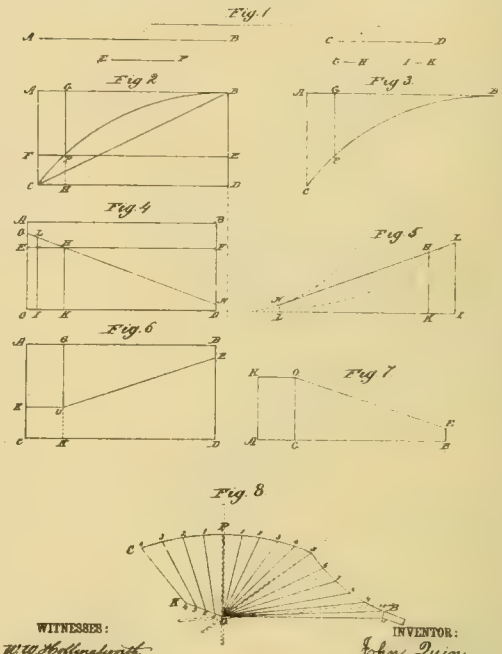
Inventor:
Charles Domschke
by his attorneys
Briesen & Betts

(Model.)

J. QUIN.

PLOW MOLD BOARD.

No. 258,806. Patented May 30, 1882.



WITNESSES:
W. W. Hollingsworth
W. Read

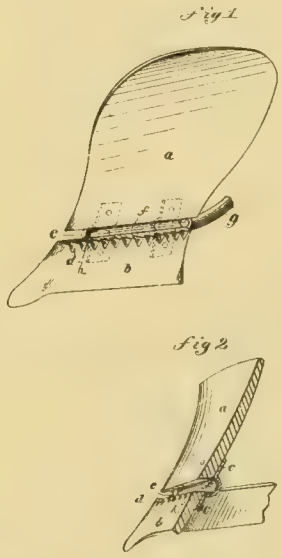
INVENTOR:
John Quin
BY Munn & Co.
ATTORNEYS.

(No Model.)

E. J. ETZLER.

PLOW.

No. 266,121. Patented Oct. 17, 1882.



WITNESSES:
W. D. Gaylord
B. F. Underwood.

INVENTOR
E. J. Etzler.
BY Munn & Co.
ATTORNEYS.

	Plate	Claim
Adams, W.	618	358
Adamson, R,	658	376
Albert, E.	514	321
Allen, W. K.	509	319
Allen, R. L.	550	333
Allen. S. L.	662	378
Anthony, D.	512	320
Atherton, G. M.	572	341
Aughe, S. S.	616	357
Avery, G. D.	491	409
Avery, B. F.	522	324
Avery, B. F.	531	326
Avery, B. F.	559	336
Baker, N.	498	315
Baker, H. F.	520	323
Ball, E.	511	320
Ball, J.	511	320
Ball, E.	518	322
Ball, E.	547	332
Ball, A.	670	382
Ball, A.	675	385
Ball, J.	577	343
Ball, J.	570	340
Ball, E. Jr.	558	335
Barger, N. S.	669	382
Barry, M.	612	356
Bartlett, G.	513	320
" " (R)	513	320
Bates, C.	669	382
Bates, C.	602	352
Beach, W.	494	312
Beam, H. T.	570	340
Beggs, J. R.	544	331
Begon, L.	661	378
Beidler, C.	541	329
Beidler, C.	551	333
Beidler, C	676	386
Bell, W. N.	628	363
Belt, A. C.	560	336
Benkelman, A.	537	328
Bergstresser, E. L.	560	337
Bettice, M. S.	661	378
Bidwell, J. C.	610	355
Billing, J. O.	590	348
Billups, C.	631	364
Black, W.	508	319
Blanchard, J.	593	349
Blatchly, N.	518	322
Blodgett, C.	540	329
Blomsten, B. C.	586	347
" " " (R)	586	347
Bogenrief, S. H. and Pattison, W.	642	369
Bonander A. J.	603	352
Bond, J. L.	592	349
Bowen J. D.	636	366
Bradley, B. C.	619	358
Brewer, G. T.	562	337
Brinly, T. E. C.	536	328
Brinly, T. E. C. and Dodge, J. G.	542	330
Brinly, T. E. C.	551	333
" " " (R)	551	333
Brinly, T. E. C.	559	336
Brinly, T. E. C.	576	343
Brinly, T. E. C.	582	345
Brinly, T. E. C.	588	348
Brinly, T. E. C.	589	348
Brinly, T. E. C.	606	353
Brinly, J. L.	663	379
Britton, W.	593	349
Brous, T. M.	622	360
Brown, R. A.	609	355
Bruce, J. B.	660	377
Buch, J.	495	313
Buchanan, J. M.	676	386
Burch, N.	605	353
Burns, P. H. and McElhany, W. G.	642	369
Burns, P.	581	345
Burton, W. V.	519	323
Butler, M.	656	376
Byrd, J. A.	534	327
Cadenhead, J. J.	523	324
Canterberry, S.	535	328
Card, J. and Newell, G.	503	317
Carlson, T.	651	373
Case, J. I.	663	379
Cassidy, R. Lamb, T. B. and Vaughan, C. L	627	362
Chafee, V. M.	533	327
Chafee, V. M.	615	358
Chambers, C. F.	694	348
Chapin, T. F.	520	323
Chapman, L.	659	377
Chapman, L.	659	377
Chapman, L.	659	377
Chenoweth, R. B.	491	309
Chenoweth, R. B.	497	314
Chevalier, F.	624	361
Chichester, H. S.	540	329
Christman, A. G.	672	383
Christman, A. G.	660	377
Chubb, A. L.	661	378
Clark, E. B.	535	328
Cleasy, G.	508	319
Cloud, J. C.	516	321
Cochran, R. F.	679	387
Coggeshall, W.	542	330
Cole, G. W.	568	339
Condo, D.	667	381
Conklin, J. H.	514	321
Cook, I. and Bever, J. T.	531	326
Cook, E. S.	602	352
Cooley, W.	554	334
Cooley, S.	597	350
Cottman, T.	549	333
Cox, C. G.	617	357
Crenshaw, J. B.	657	376
Cromwell, J. and H. F.	504	318
Cromwell, H. F.	532	327
Cummings, J. G.	525	325
Cummins, A. G. and J. R.	575	343
Cunningham, G. W.	537	328
Curtis. S.	572	341
Dahl, M. K.	583	346
Dahl, A. K.	609	355
Davidson, E.	530	326
Davis, G.	493	310
Davis, J. W.	662	379
Dawson, W. W.	640	368
Deats, J.	495	313
" " (R)	495	313
Deats, J.	500	316
Deats, J.	502	317
Deere, J.	547	332
Dement, J.	546	332
Denise, S. T.	570	341
Dennett, L. B.	550	333
Dick, J. M.	543	330
Dickie, R. and Johnston, H. K.	585	346
Dickson, J.	528	325
Dietsch, E.	588	348
Dodge, J. G.	561	337
Dodge, G.	550	372
" " (R)	650	373
Dolhaner, J.	498	315
Downs, J. W.	601	352
Dozier, M. D.	630	364
Dudley, J.	495	313
Dugdale, C. R. and Breed, D.	617	357
Duncan, J. C.	557	335
Durfee, H. B.	573	342
Durfee, H. B.	580	345
" " " (R)	581	345
Dutcher, J.	503	317
Eavenson, J. I.	650	372
Eavenson, J. I.	657	376
Eberle, L. Sr., E. and L. Jr.	643	369
Edey, H. F.	666	380
Edwards, A. N.	576	343
Eichar, P.	509	319
Elcock, J.	664	380
Elliott, J. W.	602	352
Elton, C. A.	559	336
Emerson, B. K.	637	367
Emery. G. and Wilson, A. C.	531	326
Esterly, G.	520	323
Evans, C. and O.	493	310
Evans, L. G.	521	323
Evarts, W. C.	559	236
Farquhar, A. B.	600	351
Feldhans, F.	561	337
Felton, S.	494	312
Fenner, R. R.	575	343
Fenner, R. R.	603	352
Fergnson, D. P.	641	368
Fish, J.	556	335
Fleischmann, C. L.	554	334
Flippen, C. W.	631	364
Foster, N. H.	666	381
Forter, C.	563	338
Foster, A. G. W.	625	361
Fowler, J.	549	333
Frank, W.	545	331
Franklin, F. M.	574	342
Franklin, A.	581	345
Franklin, F. M.	585	347
Franklin, A. and F. M.	587	347
Freeman, I.	623	360
French, C. M.	569	340
Fulton, D.	586	347
Gale, H.	584	346
Gale, H.	615	357
" " (R)	615	357
Gale, H.	642	369
Gallatin, J.	507	318
Garrett, C. and Cottman, T.	523	324
Gauter, F.	655	375
Gaylord, C. H. and Ayers, E. M.	622	360
George, J.	548	332
George, J.	672	384
Gibbs, J.	499	316
Gibbs, J.	550	333
Gibbs, L.	556	335
Gibbs, G.	565	338
Gibbs, R.	585	346
Gibbs, M. L.	587	347
" " " (R)	587	347
Gibbs, M. L.	594	350
" " " (R)	595	350
Gibbs, L.	646	370
Gibbs, L.	648	371
Gill, J. L.	522	324
Gilliam, J. W.	577	344
Gilmer, J.	603	352
Gilmore, A.	566	339
Gilson, T. and Martin, N.	551	333
Glidden, C.	553	234
Godfrey, H. C.	604	353
Goodyear, A.	648	372
Goodyear, A.	651	374
Goodyear, A.	658	377
Gordon, C. M.	585	347
Graham, R. A	519	323
Grant, C, W.	560	336
Green, L.	535	328
Greeu, L.	544	331
Green, L.	547	332
Gregory, S.	502	317
Greif, J. V.	557	335
Grimes, C. T.	570	341

	Plate	Claim
Grover, M.	525	325
Grover, M.	541	329
Gum, J. S.	664	379
Hackman, A.	655	275
Haege, J.	543	330
Haege, J.	556	335
Hafner, J.	663	379
Haight, D. B.	515	331
Haiman, E.	591	348
" " (R)	591	348
Hall, S.	514½	321
Hall, J. S.	535	328
Hall, J. S.	568	340
Hall, J. D.	584	346
Hampe, A.	617	358
Hampe, A.	616	357
Hanson, C.	678	387
Harper, D.	542	330
" " (R	543	330
Harrell, W. K.	600	351
" " (R)	600	351
Harris, Z.	492	309
Harris, J.	553	334
Hartpence, S. and Bowne, J. D.	500	316
Hartzell, J. S.	629	363
Hartzell, C.	574	342
Hastings, P.	496	614
Haven, G. S.	644	369
Heald, R. K.	678	387
Heckendorn, J.	524	324
Heckendorn, J.	574	342
Hedrick, G. T.	629	363
Heffley, G., Conrad, S. and Wigle, J.	517	322
Hege, C. A.	618	358
Heiges, D.	583	345
Hendley, J. W.	632	365
Henry, W.	546	332
Hinds, W.	546	331
Hoagland, J. N., Cumming, H.L. and Tallman, F. G.	670	382
Hoke, D.	528	325
Hoke, F. P.	677	386
Halloway, P.	631	364
Hoover, W. U.	571	341
Horney, S. Jr.	519	323
Howell, J., W. D. and Sipe, J.	517	322
Huber, S.	632	265
Hubley, H. H.	623	360
Hulbert, S.	528	325
Hulbert, S.	569	340
Hull, N.	505	318
Hummer, H. A.	552	333
Humphrey, D. F.	542	330
Hunt, L.	575	342
Hunter, W. L. and Gardner, A	518	322
Hunter, C. E.	645	370
Ingalls, A. P.	572	341
Ingersoll, C. B.	525	324
Jacobs, J.	497	314
Jacques, A. C.	569	340
Jarrell, W.	538	328
Jefferson, T. E.	649	372
Jennings, F. K.	648	371
Jewett, B. F.	504	318
Jinkins, J. E.	562	337
Johnson, B.	497	314
Johnson, J.	513	320
Johnson, A. W.	624	361
Johnson, W. S.	652	374
Jones, W. T.	532	327
Jones, R.	543	330
Jones, M. R.	590	348
Jones, H.	711	355
Jones, T. B.	637	367
Jones, T. F.	665	380
Jory, J. W.	678	387
Judd, J. L.	964	380
Judson, A. C.	582	345
Julier, E.	533	327
Kee, C. T.	602	352
Kellogg, A. B.	614	357
Kellogg, K.	679	387
Kelly, E.	496	314
Kennedy, M.	597	350
Kern, I. R.	626	362
Kern, I. R.	633	365
Kerns, H. O.	679	387
Kessler, P.	659	377
Kessler, P.	669	382
Killam, H.	580	345
Kinney, H. R.	533	327
Kinstler, J.	653	374
Klineline, J. W.	653	374
Koppenheffer, C.	643	369
Krog, H. Sr.	622	360
Kuenzel, J.	612	356
Lane, J. Jr.	526	325
Lane, J.	591	348
" " (R)	591	349
Lane, J. Jr.	593	347
" " " (R)	593	349
Lane, J.	618	358
Lane, J.	645	370
Lane, J.	645	370
Lane, J.	648	372
Lape, W.	540	329
Lauer, A. and Hartmann, J.	635	366
" " " " (R)	635	366
Laughlin, J. L.	608	354
Lawrence, W. S.	636	366
Layman, J.	515	321
Laech, S. J.	604	353
Lee, W. A.	677	386
Leland, A.	515	321
Lewis, J. W.	553	334
Liles, L. W.	636	366
Ling, L.	646	371
Lockhart, T. S. and J. A.	537	328
Locklin, N.	499	316
Lockwood, N. S. and Winn, J. D.	523	324
Long, I.	509	319
Long, J.	574	342
Lowe, J. W.	611	356
McCool, W. C.	608	354
McCormick, S.	492	309
McCormick, S.	493	311
" " (R)	493	311
McCormick, S.	501	316
McCune, W. H.	623	360
McKinley, J.	552	333
McMeekin, F. M.	654	353
McMillen, R.	504	318
McNutt, J. C. and Furman, A. B.	579	344
" " " " (R)	580	344
McWane, C. P.	647	371
Mahoney, J. W.	641	368
Mann, H. F.	539	329
Marsh, 2nd, C.	607	354
Martin, H. A.	552	333
Martin, J.	647	371
Masson, J.	667	381
Matteson, D. C. and Williamson, T. P.	555	334
" " " " (R)	555	334
" " " " (R)	555	335
Matthews, E. G.	568	340
Matthews, J. M.	654	374
May, H. H.	512	320
May, J. M.	512	320
May, E.	665	380
Meagher, E. D.	671	383
Meikle, T. and Coleman, B.	652	374
Meikle, T.	667	381
Melancon, E. D. and Ayrand, J. H. Sr.	668	381
Mendenhall, M. D.	558	335
Meritt, R. C.	667	381
Middleditch, J.	621	360
Miller, T.	494	312
" " (R)	494	312
Miller, T.	499	316
Miller, P. G.	633	365
Milroy, J. W.	571	341
Minor, J. O.	617	358
Mitchell, H.	545	331
Mitchell, J. J.	610	355
Mitchell, D. L. H.	613	356
Mock, C. F.	676	386
Moore, J.	507	319
Moore, J. B.	508	319
Moore, G.	564	338
Moore, G.	630	364
Moorers, J.	510	319
Morris, D.	586	347
Morrison, W.	517	322
Morrison, W.	541	330
Morrison, S. D., D. A. and J. B.	596	350
" " " " (R)	596	350
Moyers, J. M. and G. W.	598	351
Meyers, S.	506	318
Myers, C.	619	359
Myers, C.	632	364
Nash, J.	492	310
Nash, J.	507	319
Newbold, C.	491	309
Newbold, C.	491	309
Nicholson, W.	530	326
Nisbet, S.	494	312
Nitschmann, F.	644	370
Nitschmann, F.	671	383
Norris, J. B.	609	355
Norris, J. B., Bowers, M. M., and Dimmock, W. C.	619	358
Norton, J. B.	500	316
Odell, J. K. and Little, W. S.	589	348
Ogle, W.	506	318
Oldendorph, J. Jr.	644	369
Oliver, J.	592	349
Oliver, J.	600	351
Oliver, J.	608	354
" " (R)	608	354
Oliver, J.	632	364
Olson, H.	618	358
Ormiston, J.	501	317
Ormiston, J.	514	321
Ormiston, J.	525	324
Ormond, M.	623	460
Orrick, N. C.	665	380
Osburn, O.	578	344
Osburn, O.	589	348
Overshiner, G. J.	627	362
Pagett, W. F.	578	344
Painter, W.	636	366
Palmer, L. E.	561	337
Parker, I.	555	334
Parlett, J. A. and Thompson, J.	539	329
Parrish, W.	601	352
Patery, J. P.	662	379
Peacock, A. and S.	521	323
Peek, J. A.	677	386
Peet, R.	558	335
Penning, M.	597	339
Pentreath, J.	628	363
Peters, D. and Pauly, J. W.	556	335
Peterson, G. W.	633	365
Pfouts, L. S.	680	387
Phillips, O. F.	637	367

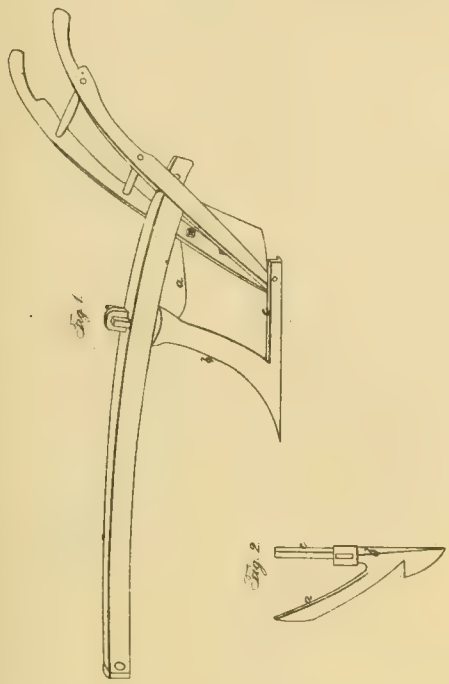
	Plate	Claim
Phillips, O. F.	646	371
Piatt, J. J.	639	367
Pierpont, J.	646	332
Pinney, N. G.	666	380
Plank, J.	499	316
Platt, N.	547	332
Pope, S. W.	627	362
Posey, J.	639	367
Prentiss, S. and Flint, G.	572	341
Preston, A.	530	326
Price, W.	606	353
Prouty, D. and Mears, J.	498	315
Prouty, D. and Mears J.	502	317
Prouty, D. and Mears, J.	504	318
Prouty, D.	513	320
Prutzman, J. P., J. E. and McIntyre, J. P.	626	362
Purefoy, A. F.	674	384
Putnam, T. E.	601	352
Quigley, T. B.	507	319
Quigley, T. B. and Hall, H.	511	320
Quin, J.	676	318
Rakestraw, Y.	571	341
Rall, W.	601	352
Ream, G. W.	588	348
Reancy, W.	529	226
Reed, J. W.	605	353
Reese, G. and P.	644	369
Reich, J.	634	366
Renak, F.	612	356
Reynolds, I.	521	323
Rich, J.	516	322
Rich, J.	524	324
Richards, M. and Vandegrift, J.	554	334
" " " " (R)	554	334
Richard, A.	670	382
Rigell, M.	582	345
Riggan, J. H.	641	369
Ringen, G.	563	338
Ringen, G.	620	359
Roberts, S. I.	510	320
Robinson, N.	497	314
Robinson, N.	579	344
Robinson, J. S. and E. C.	658	376
Robinson, J. S. and E. C.	670	383
Rockwood, L. O.	557	335
Roden, A.	536	328
Rogers, H. D.	539	329
Roles, R.	584	346
Rose, M. P.	595	350
Ross, M.	620	359
Ross, M.	645	370
Ross, M.	674	384
Ruch, G. W.	610	355
Ruch, J.	633	365
Rulofson, I.	529	326
" " (R)	530	329
Rulofson, I and DeGarmo, D	539	329
St John C.	553	334
Salsbury, G. M. and G. S.	544	331
Sample, J. R.	621	359
Sanders, N.	671	383
Sanford, T.	527	326
Sayer, S D.	583	346
Seaman, J.	638	367
Seaman, J.	652	374
Selick. H.	580	345
Selick, H.	605	353
Sayler, B.	516	322
Shaffer, L. W.	541	329
Shearer, S.	411	320
Shelton, G.	599	351
" " (R)	599	351
Shepard, J.	575	343
Shickel, J.	627	362
Shipp, J. W. and Crenshaw, C. W.	534	327
Shunk, A. Sr.	563	338
Simonds, F.	674	384
Sinclear, H. B.	515	321
Skinner, J. B.	557	335
Small, W.	502	317
Smith, J. C.	500	316
Smith, M.	503	317
Smith, A.	509	319
Smith, D. H. and E. E.	534	327
Smith, J.	536	328
Smith, G. K. and Strasser, J.	566	339
Smith, H.	589	348
Smith, A. C.	590	348
Smith, H. B.	599	351
Smith, H. D.	615	357
Smith, J. A.	649	372
Smith, G. E.	668	381
Smoot, J. Sr.	629	363
Soule, S. W.	607	354
Sparks, M. P.	629	363
Speer, W. W.	655	375
Speer, W. W.	656	376
Spiehlman, G.	562	337
Sprague, H.	519	322
Spratt, W. S.	548	332
" " [R]	548	332
Sprouse, W. T.	501	317
Stansbury, T. A.	550	333
Starke, P. H.	536	328
Starke, P. H.	568	340
Starke, P. H.	571	341
Starke, P. H.	595	350
Starke, P. H.	606	353
Starnes, S. S.	563	338
Stem, H.	577	343
Stephenson, W.	628	363
Stewart, S. M.	592	349
Stoker, N. W.	542	334
Story, J. T.	594	349
Straight, H. D.	624	360
Stridde, F.	614	357
Stridde, F.	647	371
Swartz, D.	518	322
Swartz, D. and S.	520	323
Sweeny, R.	493	311
Sweitzer, J.	538	329
Swenson, N., Lindquist J. S. and Hedlund, C.	669	382
Tavenner, E. C. and Nesmith, O.	521	323
Taylor, C. B.	496	313
Taylor, A.	496	314
Taylor, H.	501	317
Taylor, A.	510	319
Taylor, A. C.	673	384
Teague, A.	506	318
Teague, A.	579	344
Tefft, J. S.	506	318
Tessier, M.	579	344
Thompson, T.	526	325
Thompson, S. R.	573	341
Thomson, R. B.	634	365
Tingley, J. M.	611	355
Titus, W. D.	566	339
Tomlinson, J.	545	331
Towers, W. M.	635	366
Towers, W. M.	639	368
Urie, J.	56	339
Urie, C.	603	352
Urie, J.	613	356
Urie, J. Sr.	649	372
Utley, G.	569	340
Vandegrift, J.	561	337
" " [R]	562	337
Vandegrift, J.	673	384
Vaughan, S. O.	533	327
Vaughn, J. B.	538	329
Vernon, G. W.	678	387
Vertrees, J. C.	596	350
Vincent, R.	539	326
Wadsworth, W. S.	622	360
Waggoner, E. M.	495	312
Walker, W. M.	498	315
Walker, Wm. and M. C.	508	319
Walker, J.	514	321
Walker, S.	532	327
Wallace, J.	549	333
Wallace, J.	597	351
Welsh, M. D.	612	356
Walter, E.	611	355
Ward, S. B.	625	361
Warren, J.	516	322
Warren, W.	528	325
Warren, W.	537	328
Washburn, H.	592	349
Washburn, A. W.	652	374
Watkins, J. T.	624	361
Watt, G.	505	318
Watt, G.	524	324
" " [R]	524	324
Watt, G.	526	325
" " [A I]	527	325
" " [R]	527	325
" " [R]	527	325
Watt, G.	564	338
" " [R]	564	338
Watt, G.	576	343
Watt, G.	600	978
Watson, W. M.	604	353
Weaber, A.	594	349
Weed, C. A.	643	369
Westcott, N.	609	355
Wharton, G.	584	346
Wheatley, R. J.	583	346
White, C.	567	339
White, L. B.	606	353
White, M. F.	613	356
White, L. B.	620	359
White, L. B.	620	359
White, L. B	675	385
Whitehurst, R. W.	661	378
Whiting, E. G.	503	317
Whiting, E. G.	549	332
Whiting, E. G.	630	363
Wiard, T.	505	318
Wiard, T.	529	326
Wiard, E.	573	342
" " [R]	573	342
Wiard, E.	578	344
Wiard, E.	578	344
Wiard, E.	595	350
Wiard, E.	607	354
Wiard, E.	613	356
Wiard, G. and T.	621	359
" " [R]	621	359
Wiard, G. and T.	625	361
Wiard, E.	634	365
Wiard, H.	639	368
" " [R]	640	368
" " [R]	640	368
Wiard, E.	654	375
Wiard, E.	654	375
Wiard, G.	673	384
Wiard, G. and Hough, C. W.	628	362
Wiard, G. and Hough, C. W.	634	366
Wiard, H. and Bullock, W. R.	656	375
Wiard, H. and Bullock, W. R.	663	379
Wilder, W. H.	650	372
Wilder, C. O.	653	374
Wilder, C. O.	655	375
Wilkins, C.	567	339
Williams, W. B.	531	326

	Plate	Claim
Willson, F. R.	598	351
Wilson, L. S	596	350
Wimpee, G. W. and W. F.	643	369
Winslow, T.	548	332
Winston, R. B.	526	325
Witherow, S.	512	320
Wolf, L.	538	328
Wolf, D.	666	380
Wood, J.	492	310
Wood, D. and Byington, A.	534	327
Woodcock, B.	510	320
Woodward, J.	517	322
Woodward, L. E.	651	373
Woodward, L. E.	657	376
Wright, A.	582	345
Wright, S. D.	614	356
Wright, J. W.	624	361
Wyche, W E.	522	324
Wyche, W. E.	522	324
Wyman, G. D.	605	353
Yeager, W. F.	532	327
Yeiser, E.	641	368
Yocom, J.	615	357
Yost, G. W. N.	544	331
Yost, G. W. N.	545	331
Yost, W.	597	351
Young, W. B.	567	339
Zeigler, G. W.	523	324

C. NEWBOLD.

Plow.

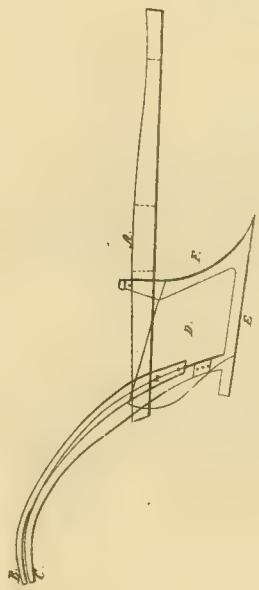
Patented June 26, 1797.



C. NEWBOLD.

Plow.

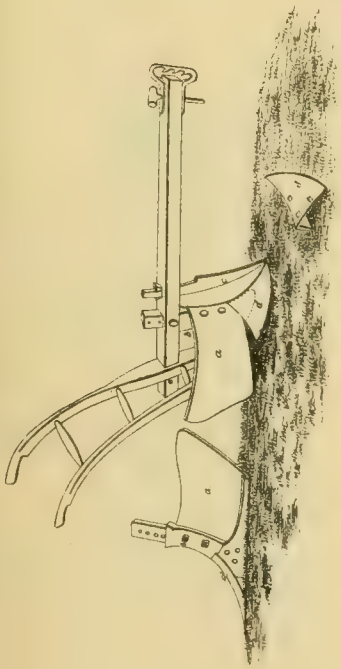
Patented June 26, 1797.



R. B. CHENOWETH.

Plow.

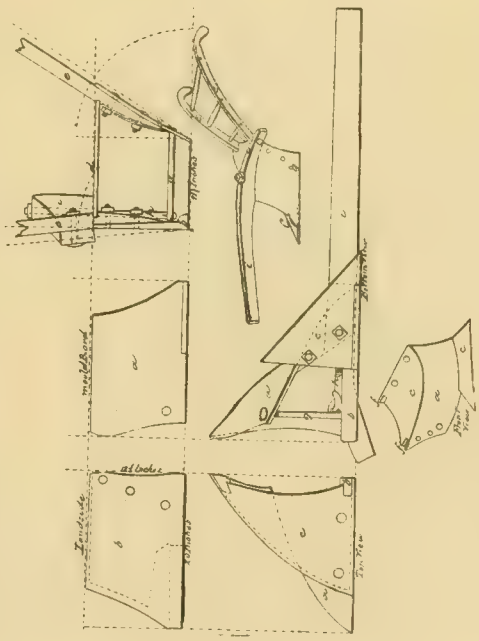
Patented Nov. 25, 1808.



G. D. AVERY.

Plow.

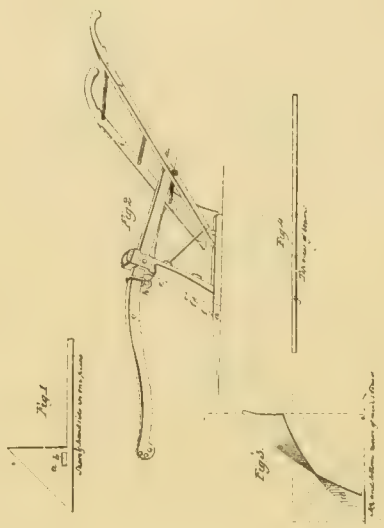
Patented Dec. 28, 1818



S McCORMICK.

Plow.

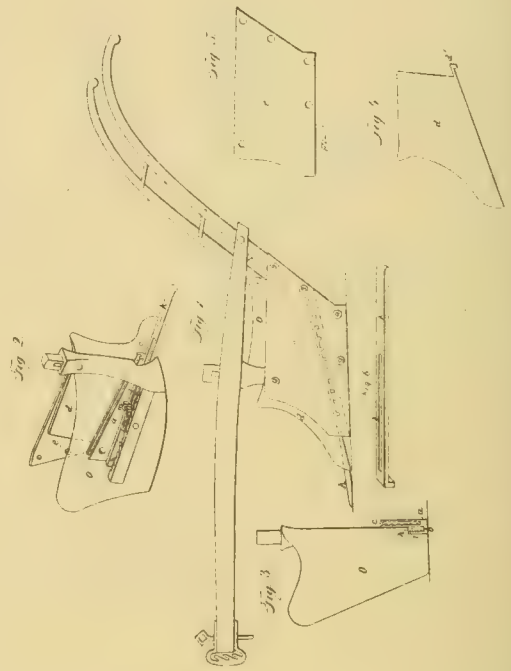
Patented Feb 3. 1819.



Z. HARRIS

Plow.

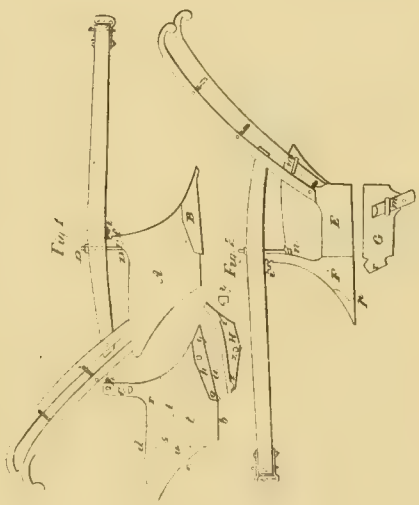
Patented Mar. 17 1819.



J. WOOD.

Plow.

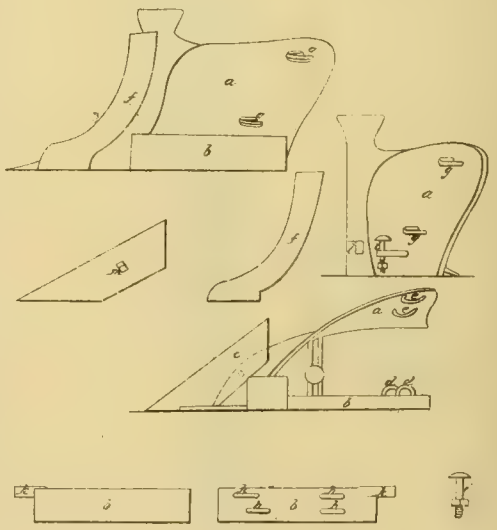
Patented Sep. 1, 1819.



J. NASH

Plow.

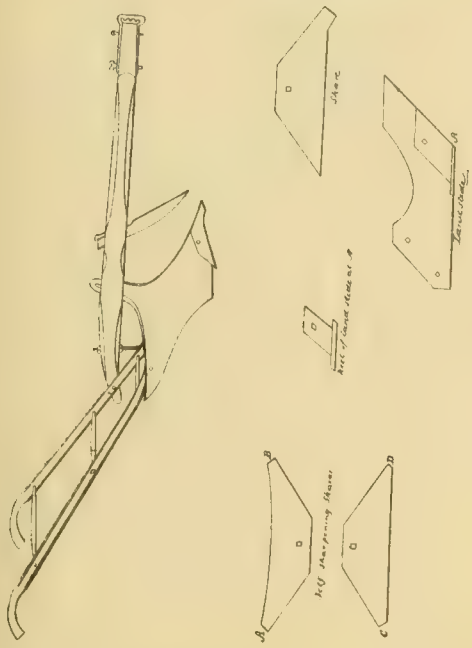
Patented Oct 11. 1823



C. & O. Ervis.

Plow.

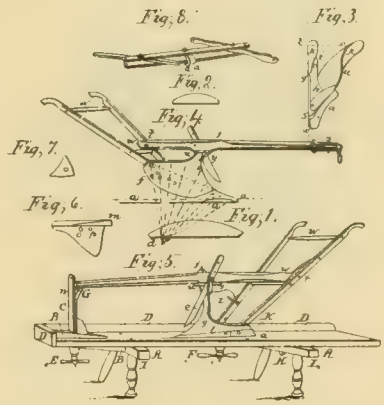
Patented Apr. 14, 1825



G. Davis.

Plow

Patented Oct. 1, 1826.

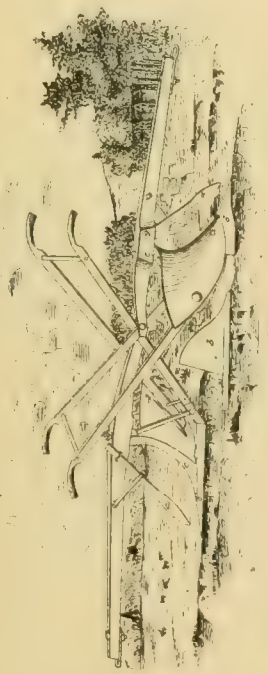


S. McCORMICK

Plow

Patented Jan 28 1826

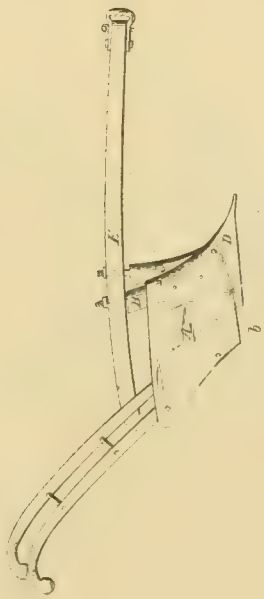
Reissued Oct 22 1828



R. SWEENY.

Plow.

Patented May 18, 1827.



W. BEACH.

Plow.

Patented June 27, 1827.

T. MILLER.

Plow

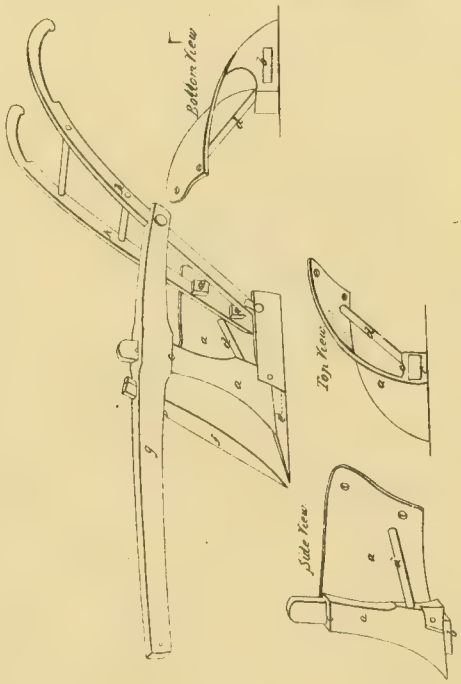
Patented Oct. 23, 1829

Reissued July 17, 1835.

S. Nesbit.

Plow.

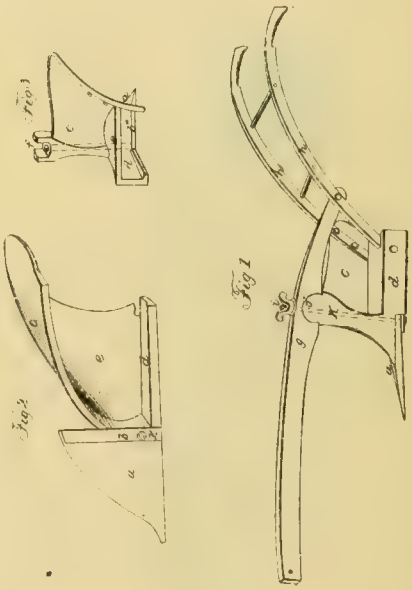
Patented May 25, 1830.



S. FELTON.

Plow.

Patented Nov. 1, 1830.



E. M. WAGGONER.

Plow.

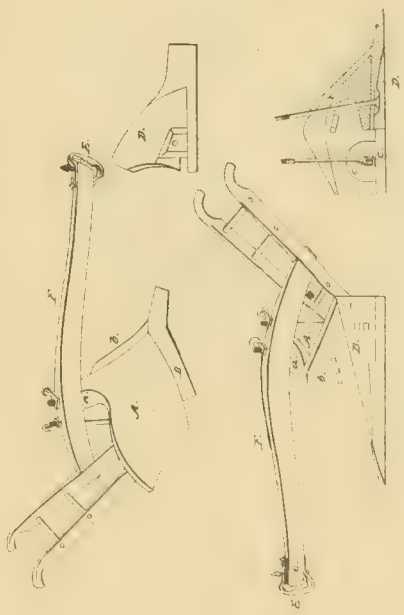
Patented Jan. 12, 1831.

J. DEATS.

Plow.

Patented Dec. 28, 1831.

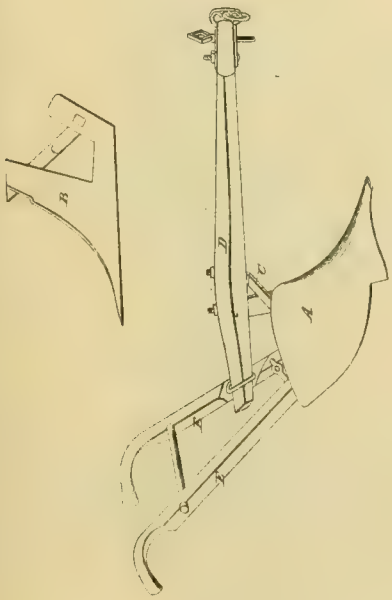
No 70. Reissued May 16, 1835



J. DUDLEY.

Plow.

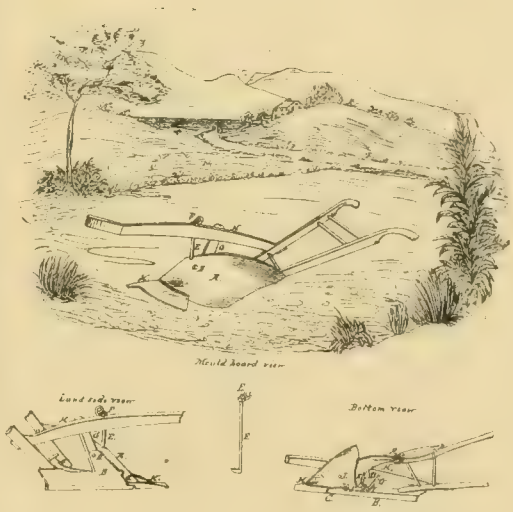
Patented May 8, 1832.



J. BUCH.

Plow.

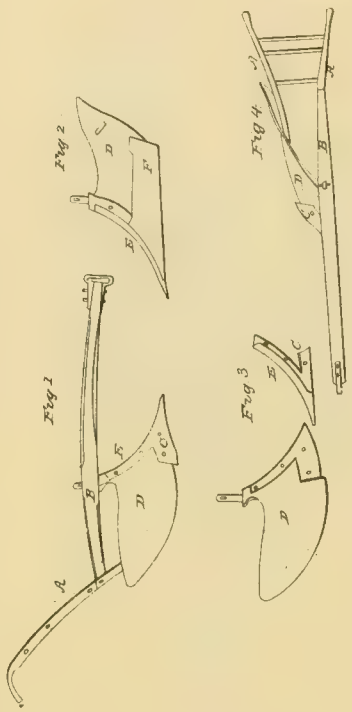
Patented Dec. 28, 1832



C. B. TAYLOR.

Plow.

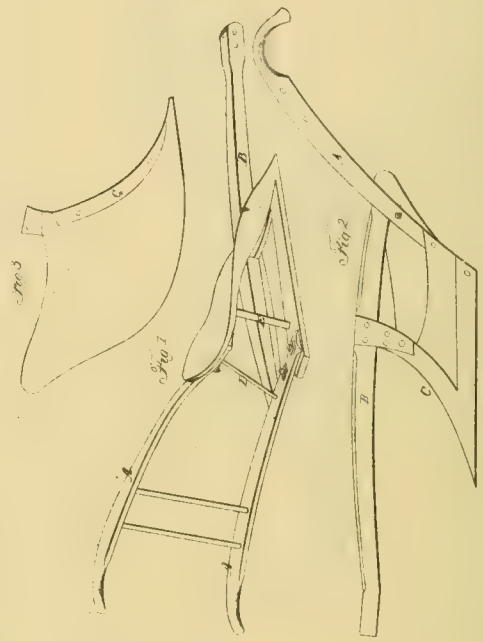
Patented Aug. 23, 1833.



E. KELLY

Plow

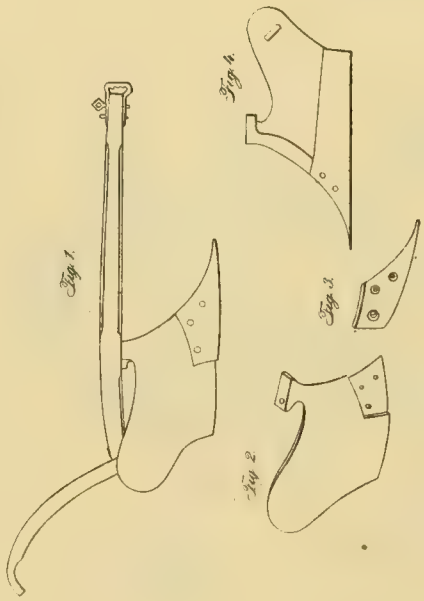
Patented Aug. 26, 1833.



P. HASTINGS.

Plow.

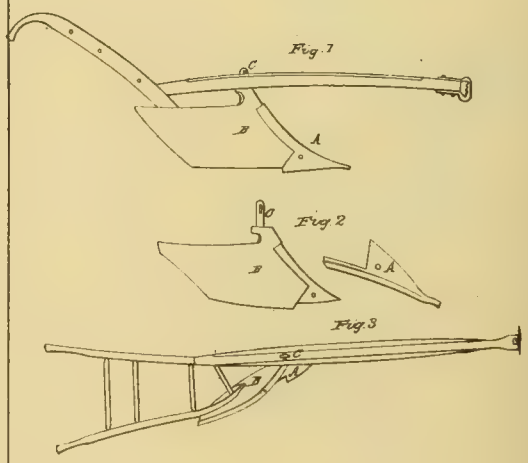
Patented Dec. 19, 1833.



A. TAYLOR.

Plow.

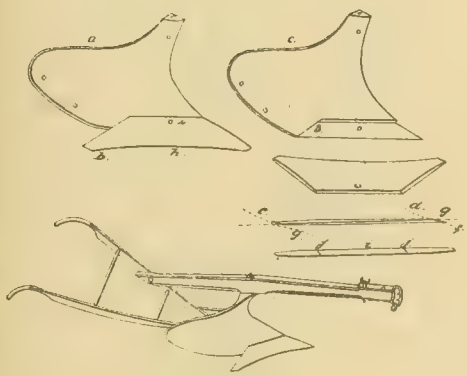
Patented Dec. 26, 1833.



R. B. CHENOWETH.

Plow.

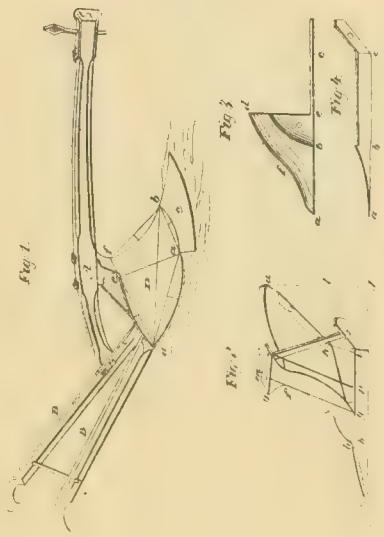
Patented Mar. 17, 183



J. JACOBS.

Plow

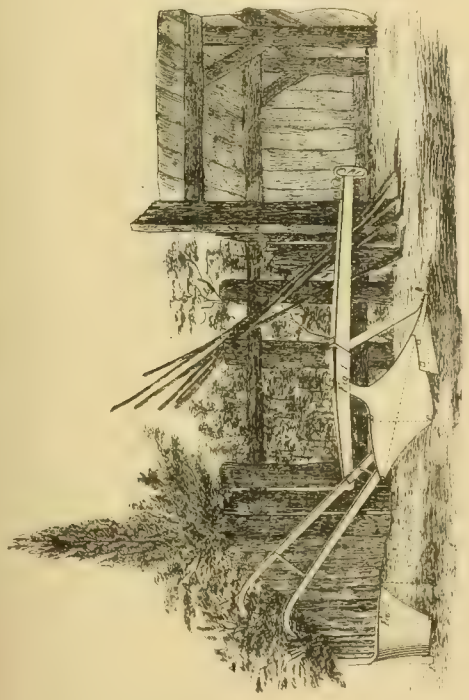
Patented July 8, 1831



N. Robinson.

Plow.

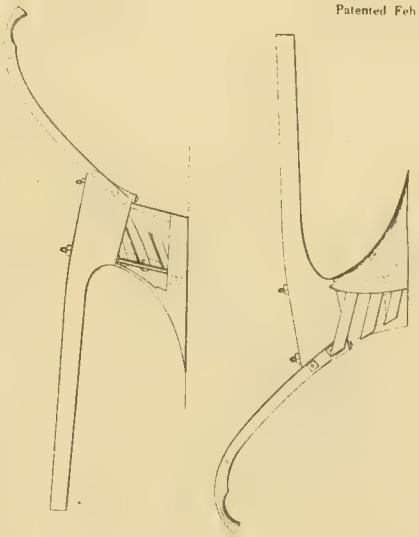
Patented Feb. 13, 1835.



B. JOHNSON.

Plow

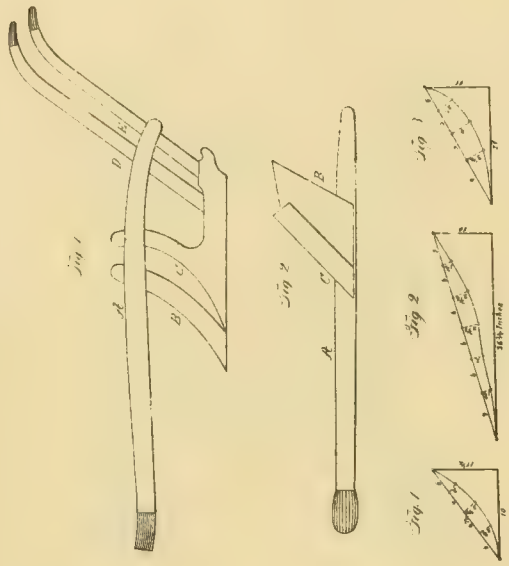
Patented Feb. 20, 1835



N. BAKER.

Plow

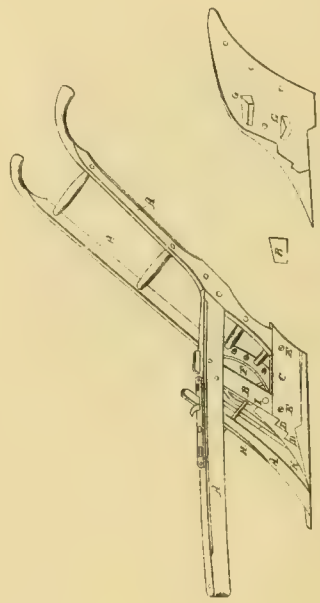
Patented Mar. 24, 1835



W. M. WALKER.

Plow.

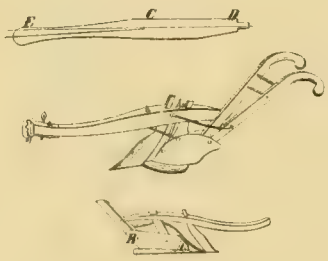
Patented Oct. 6, 1835.



J. DOLHANER

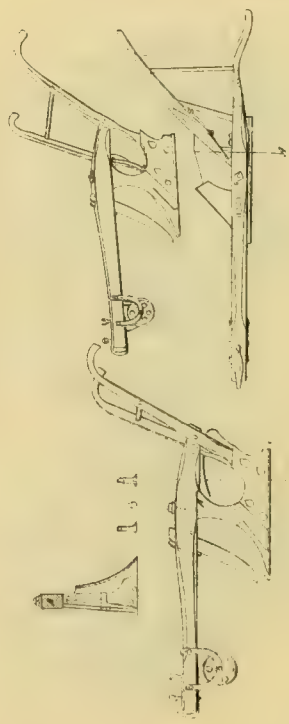
Plow

Patented Jan. 15, 1836.



Prouty & Mears.

Plow. Patented Mar. 4, 1836.



N. LOCKLIN.

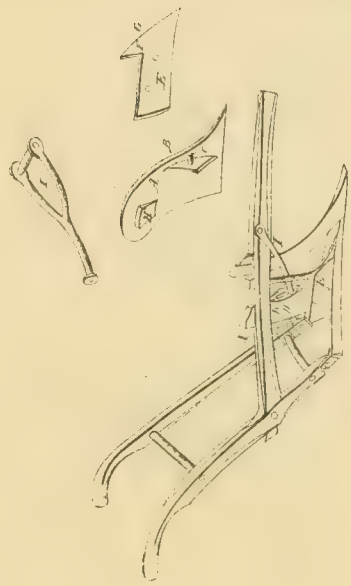
Plow.

Patented Apr. 28, 1836.

J. PLANK.

Plow.

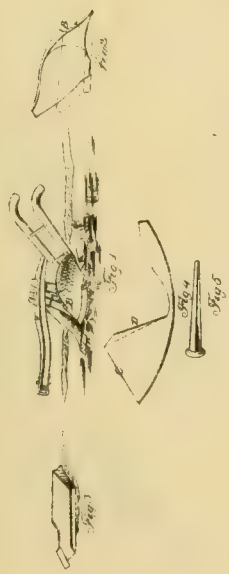
Patented June 2, 1836



J. GIBBS.

Plow.

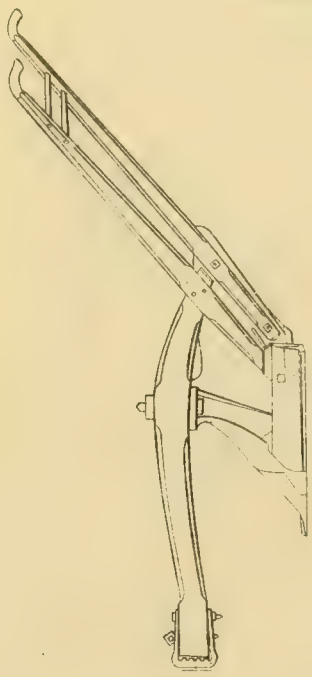
Patented June 16, 1836.



T. Miller.

Plow

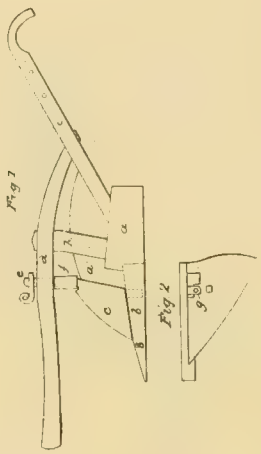
Patented Jul. 2, 1836.



HARTPENCE & BOWNE.

Plow.

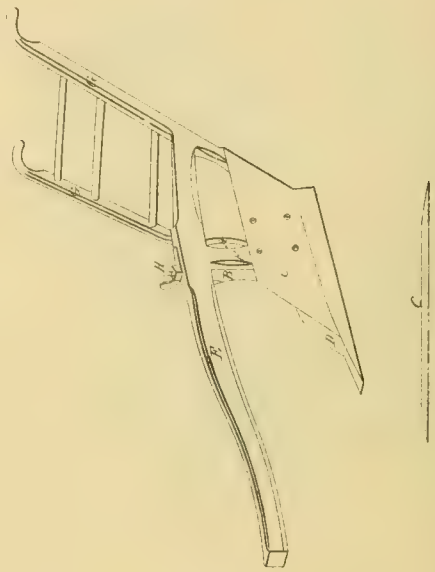
No. 259. Patented July 5, 1837.



J. C. SMITH.

Plow.

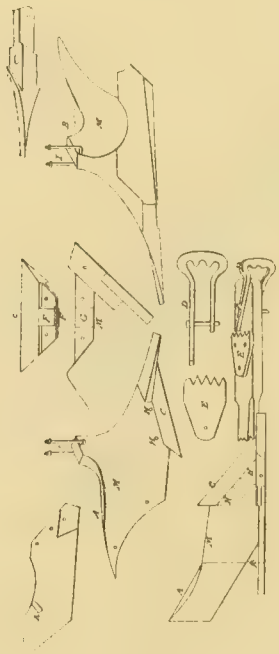
No. 260. Patented July 11, 1837.



J. B. NORTON.

Plow.

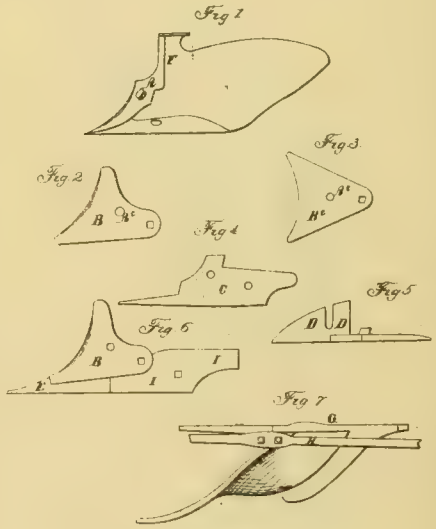
No. 273. Patented July 17, 1837.



J. DEATS.

Plow.

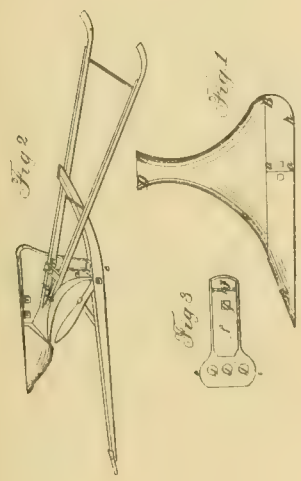
No. 327. Patented July 31, 1837.



S McCORMICK

Plow.

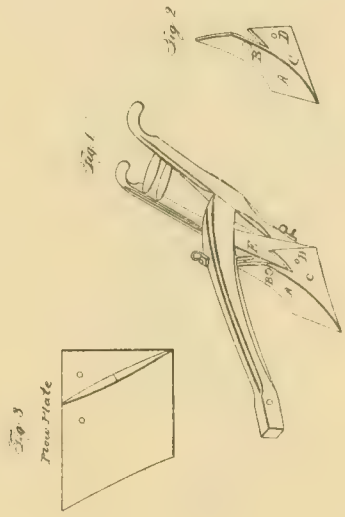
No 501 Patented Dec 1 1837



W. T. SPROUSE.

Plow.

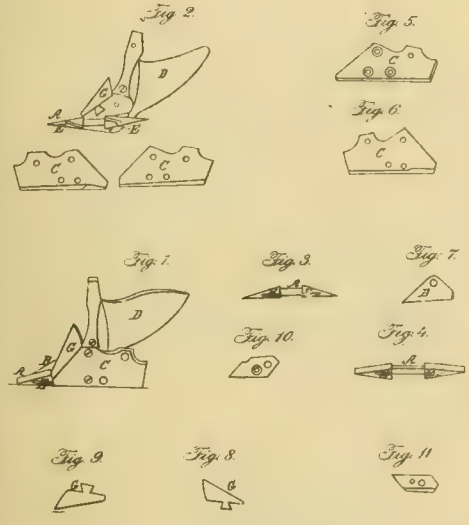
No. 604. Patented Feb. 15, 1838.



J. ORMISTON.

Plow.

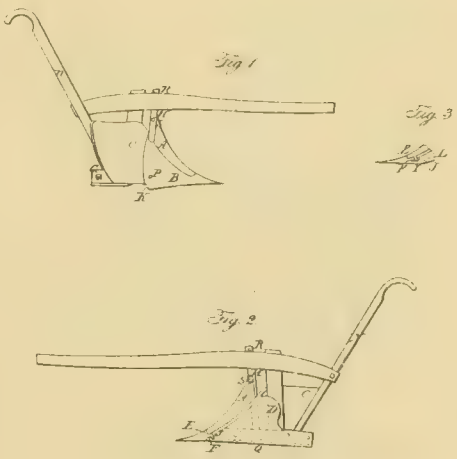
No. 638 Patented Mar. 17, 1838



H. TAYLOR.

Plow.

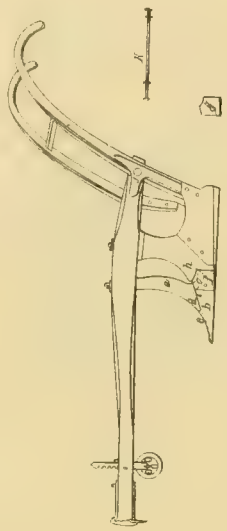
No. 743. Patented May 17, 1838.



PROUTY & MEARS.

Plow.

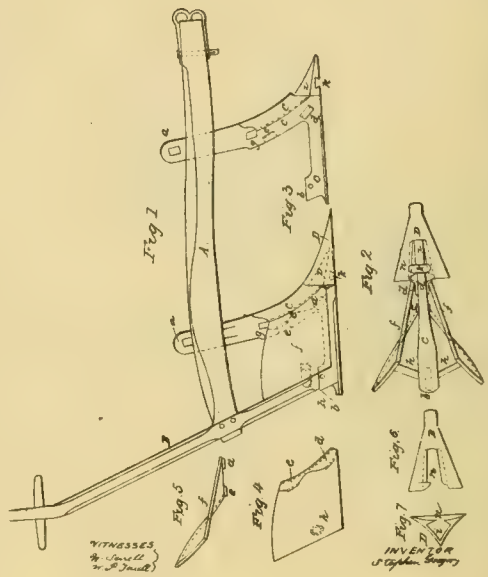
No. 922. Patented Sept. 15, 1838.



S. GREGORY.

Plow.

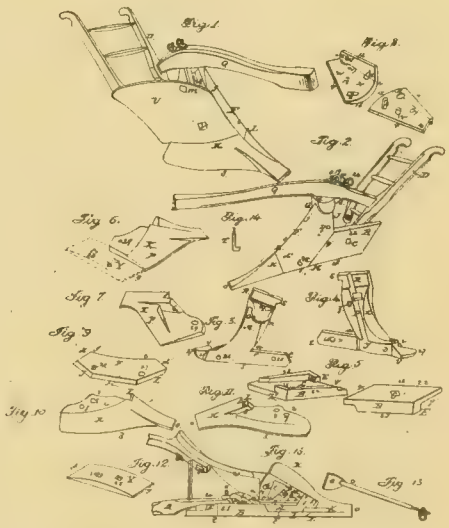
No. 1,008. Patented Nov. 14, 1838.



J. DEATS.

Plow.

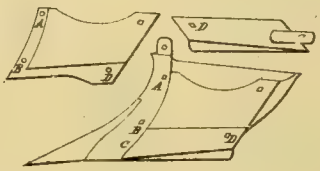
No. 1,019. Patented Nov. 25, 1838



W. SMALL.

Plow.

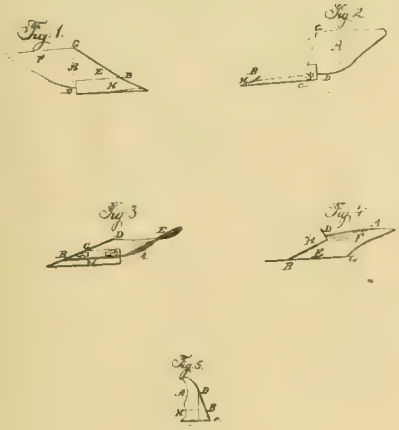
No. 1,133. Patented Apr. 23, 1839



E. G. WHITING.

Plow.

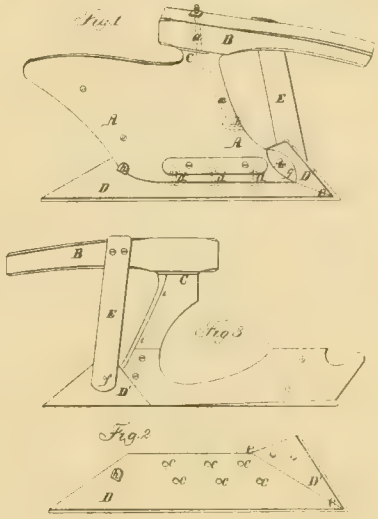
No. 1,232. Patented July 11, 1839.



J. DUTCHER

Plow

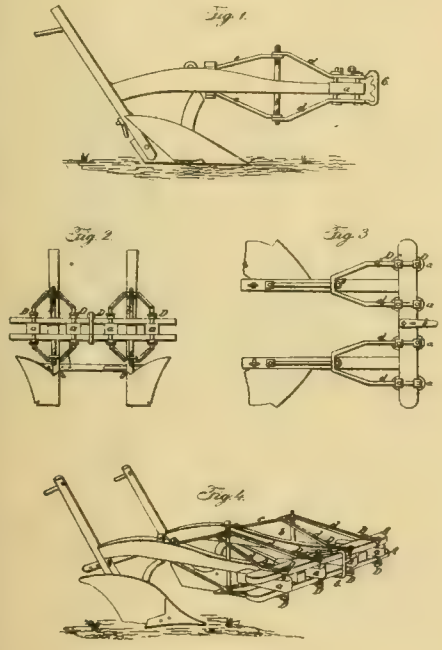
No. 1,360 Patented Oct. 9, 1839.



CARD & NEWELL.

Plow.

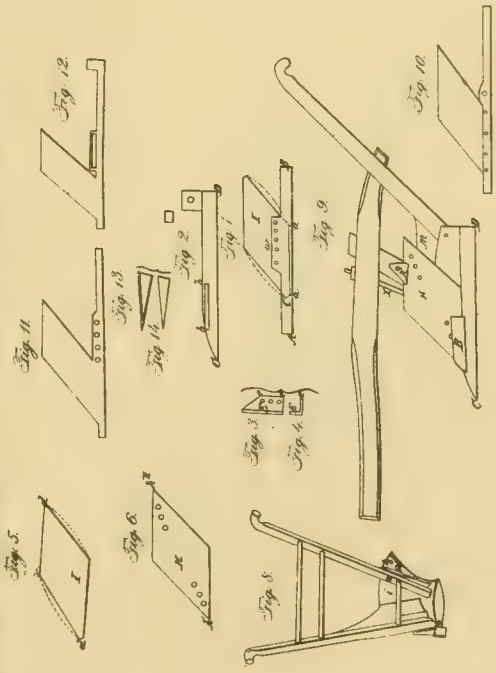
No. 1,401. Patented Nov. 9, 1839.



M. SMITH.

Plow.

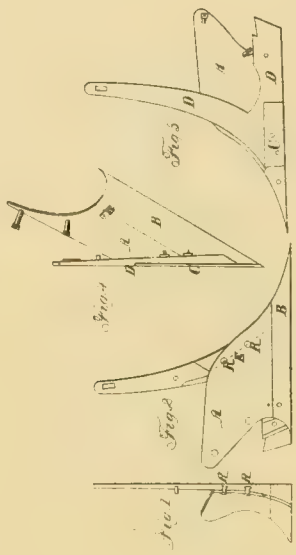
No. 1,482. Patented Jan. 28, 1840.



B. F. JEWETT.

Plow

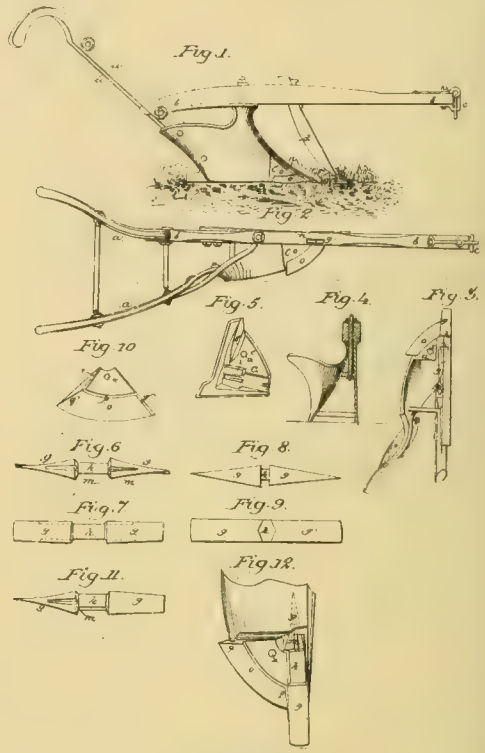
No 1,976. Patented Feb 12, 1841.



PROUTY & MEARS.

Plow.

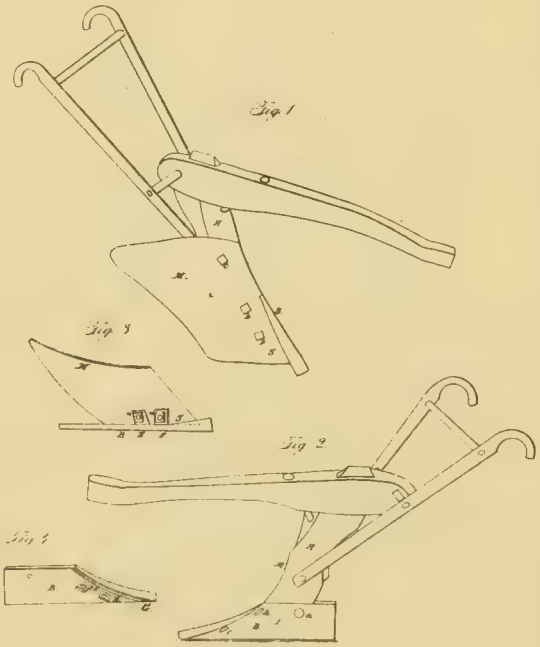
No. 2,132. Patented June 16, 1841.



J. & H. F. CROMWELL.

Plow.

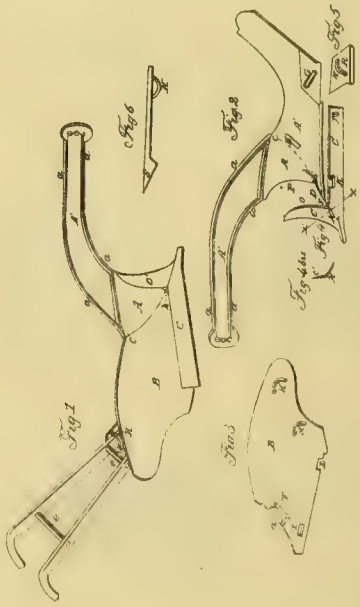
No. 2,274. Patented Sept. 25, 1841.



R. McMILLEN.

Plow

No 2,389 Patented Dec 14, 1841

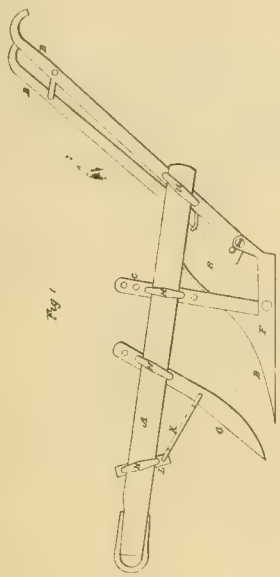


Sheet 1 2 Sheets

C. Watt.

Plow.

No. 2,548 Patented Jun. 11, 1842.

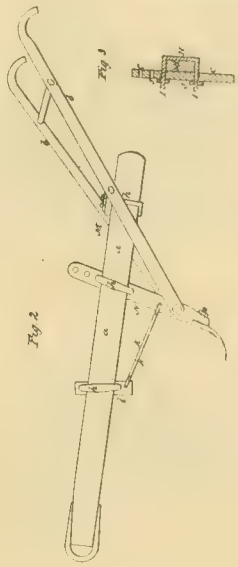


Sheet 2 2 Sheets

C. Watt.

Plow.

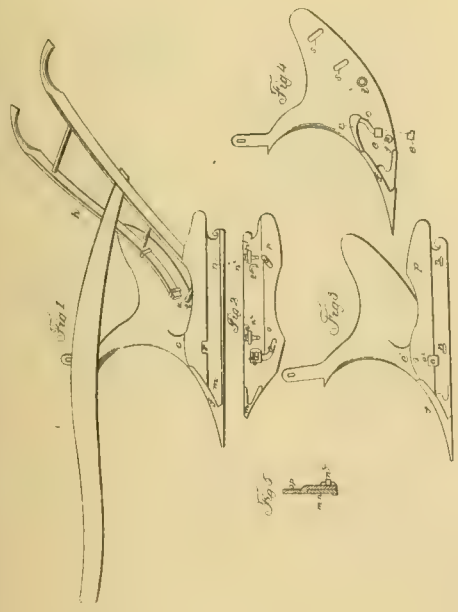
No. 2,548. Patented Jun. 11, 1842.



T. WIARD.

Plow.

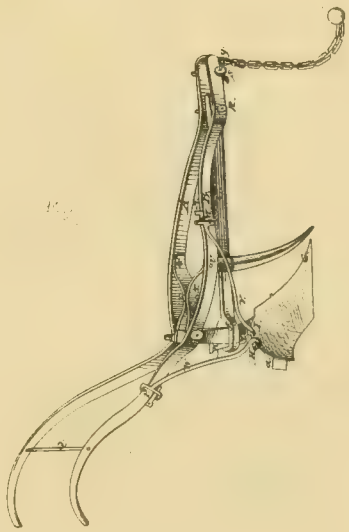
No. 2,557. Patented Apr. 16, 1842.



N. Hull.

Plow.

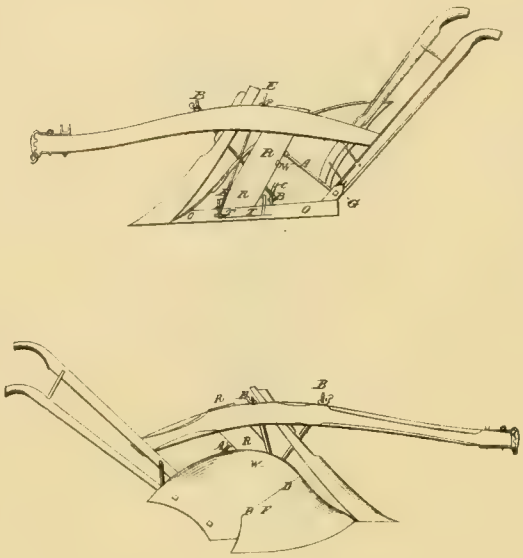
No. 2620. Patented May 12 1842.



S MYERS.

Plow

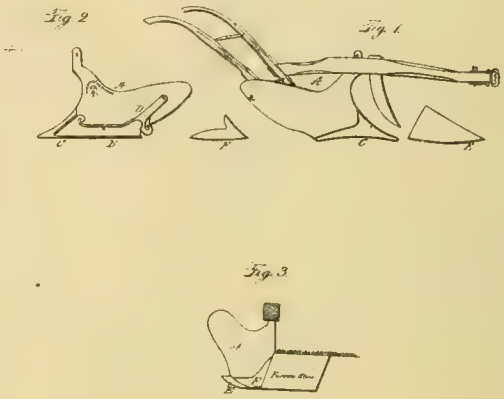
No. 2,712. Patented July 11 1842



J. S. TEFFT.

Plow.

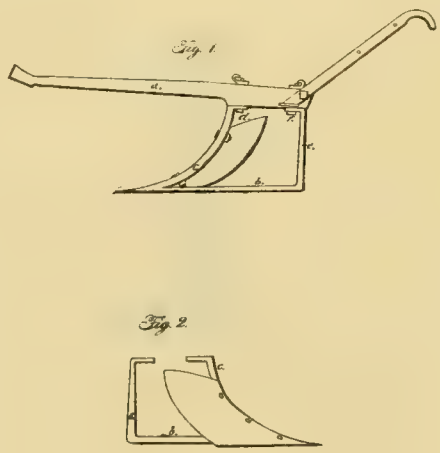
No. 2,762. Patented Aug. 25, 1842.



A. TEAGUE.

Plow.

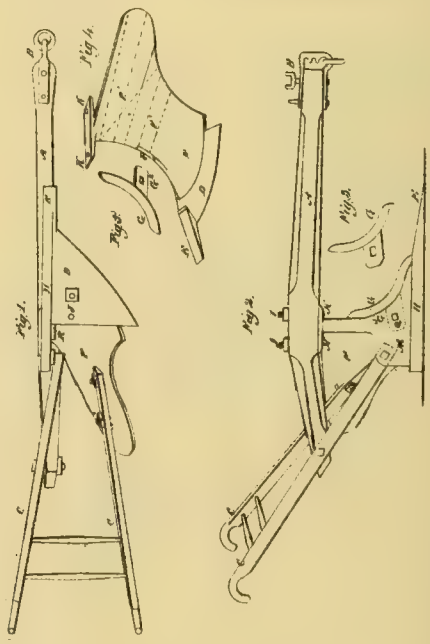
No. 2,998. Patented Mar. 10, 1843.



W. Ogle.

Plow

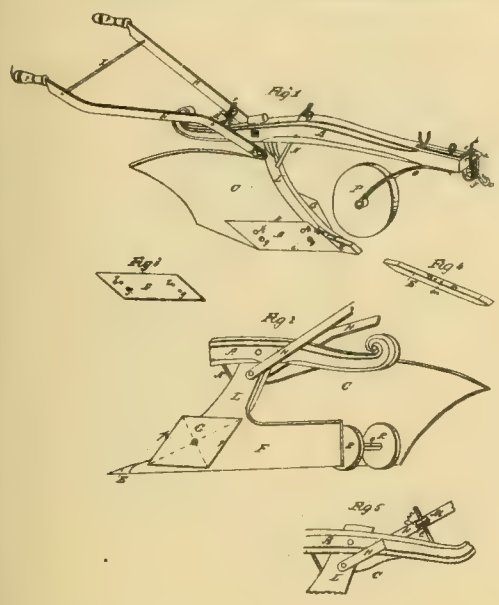
No. 3,034. Patented Apr. 6, 1843



J. Gallatin.

Plow.

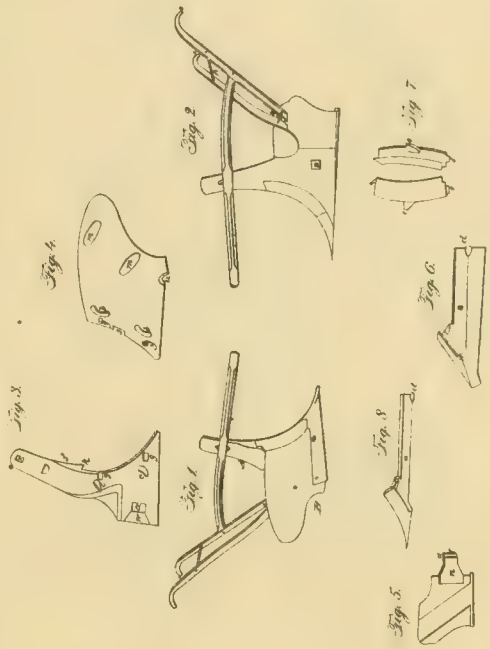
No. 3,062. Patented Apr. 16, 1843.



J. NASH

Plow.

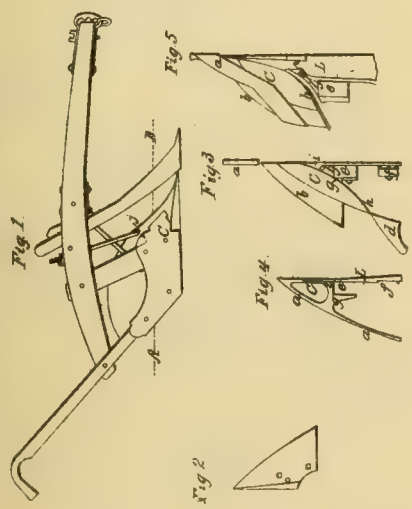
No. 3,110. Patented May 26, 1843



T. B. QUIGLEY.

Plow.

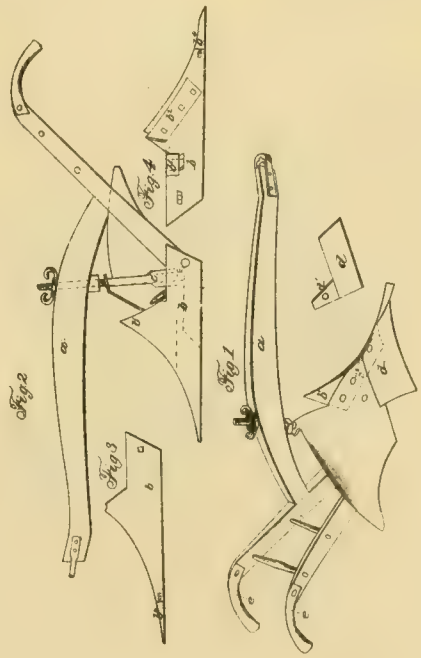
No. 3,137. Patented June 14, 1843.



J. MOORE.

Plow

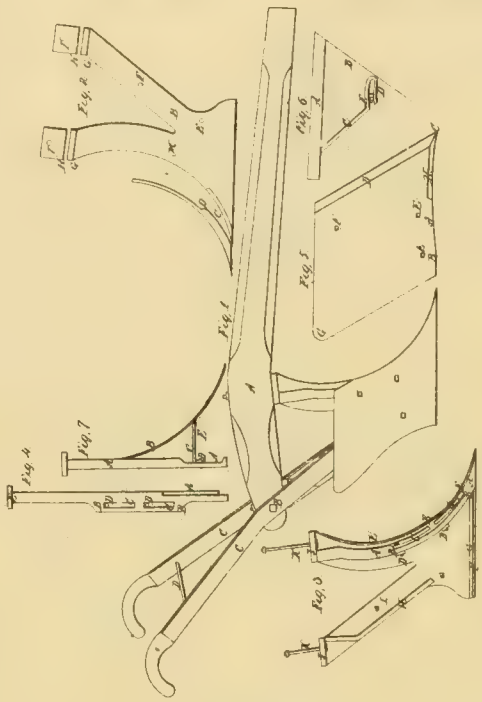
No. 3,193 Patented July 22, 1843



W. Black.

Plow

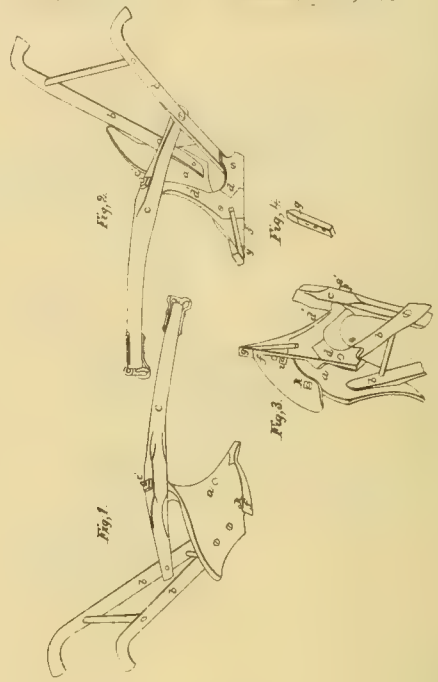
No. 3,259 Patented Sep. 14, 1843.



G. Cleary.

Plow

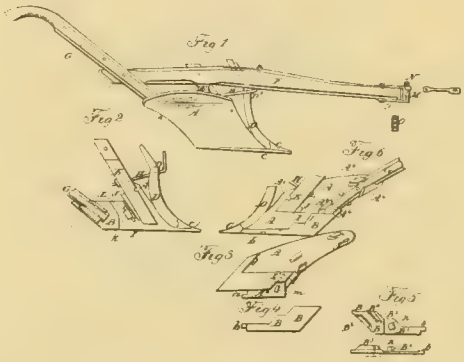
No. 3,266. Patented Sep. 14, 1843.



W. & M. C. WALKER.

Plow.

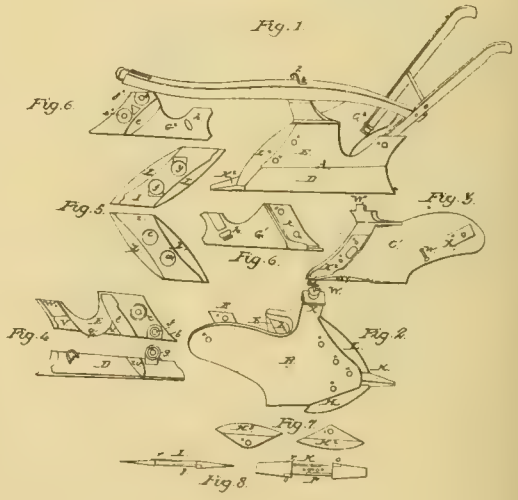
No. 3,311. Patented Oct. 20. 1843.



J. B. MOORE

Plow

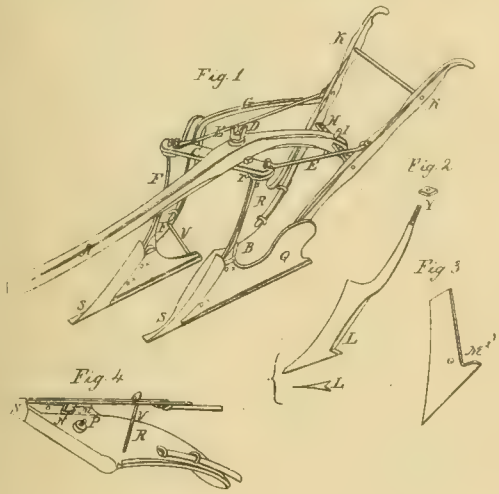
No. 3,352 Patented Nov 24. 1843



P. Fisher.

Plow.

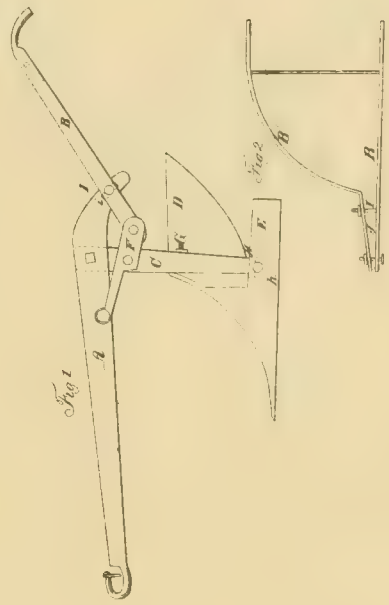
No. 3,372. Patented Dec. 6, 1843.



W. K. ALLAN.

Plow.

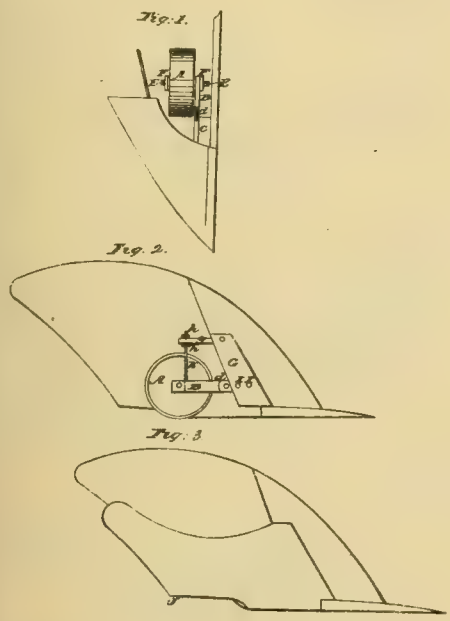
No. 3,410. Patented Jan. 31, 1844



I. LONG.

Plow.

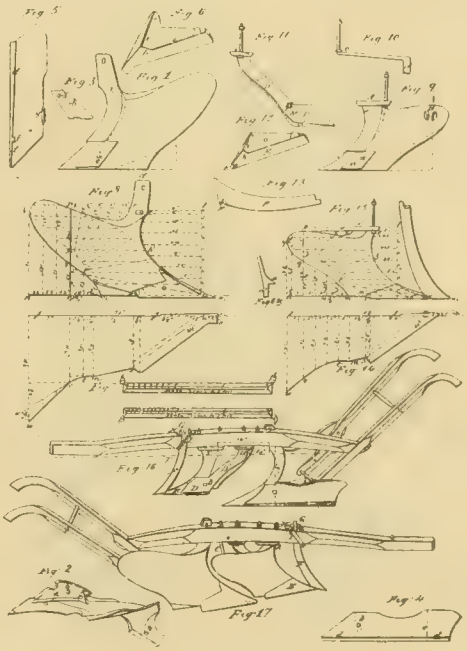
No. 3,465 Patented Mar. 9, 1844



A. SMITH.

Plow.

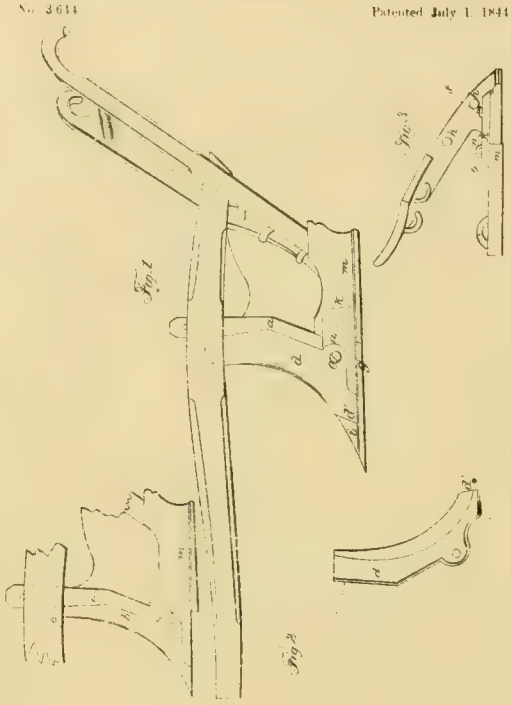
No. 3,579. Patented May 10, 1844.



J. MOORERS.

Plow.

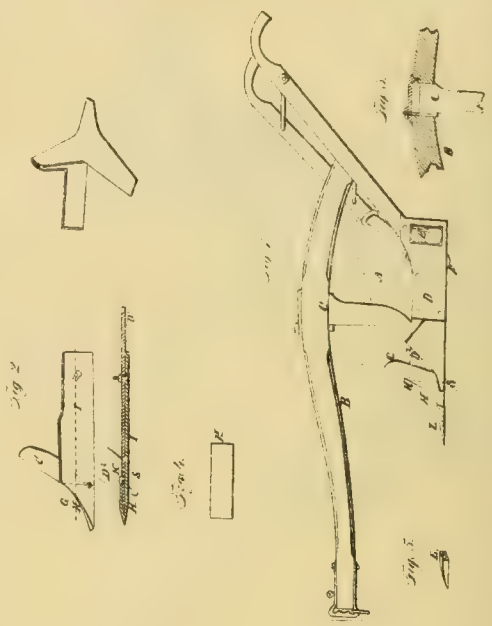
No. 3,644 Patented July 1, 1844



A. TAYLOR.

Plow.

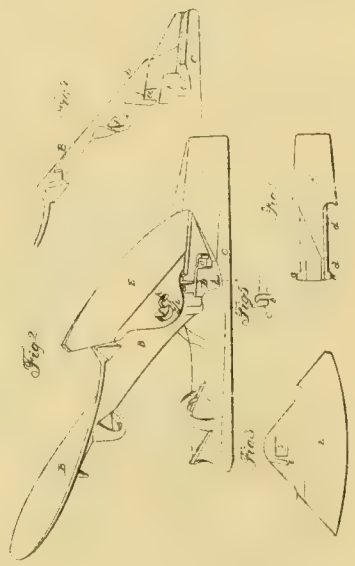
No. 3,864. Patented Dec. 19, 1844.



B. WOODCOCK.

Plow.

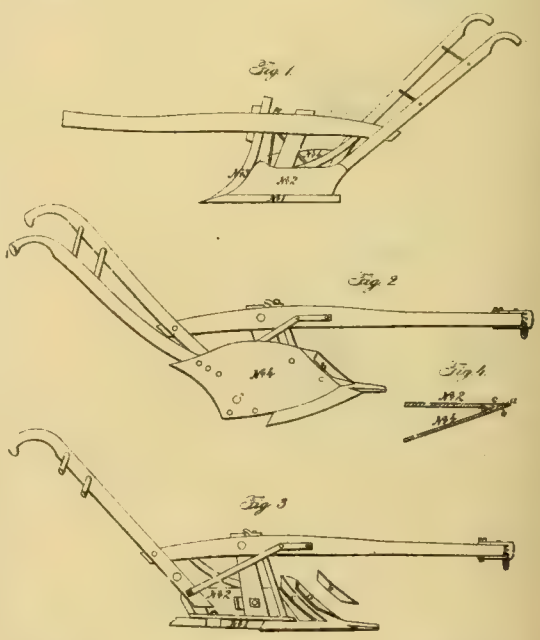
No. 3,898. Patented Jan. 31, 1845.



S. J. ROBERTS.

Plow.

No. 3,913. Patented Feb. 12, 1845.



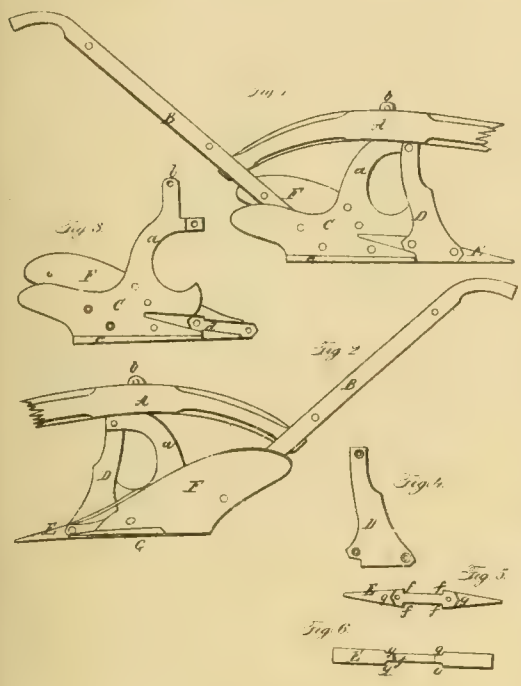
Witnesses.

Inventor.

E. BALL.

Plow.

No. 3,918 Patented Feb. 20, 1845



S. SHEARER.

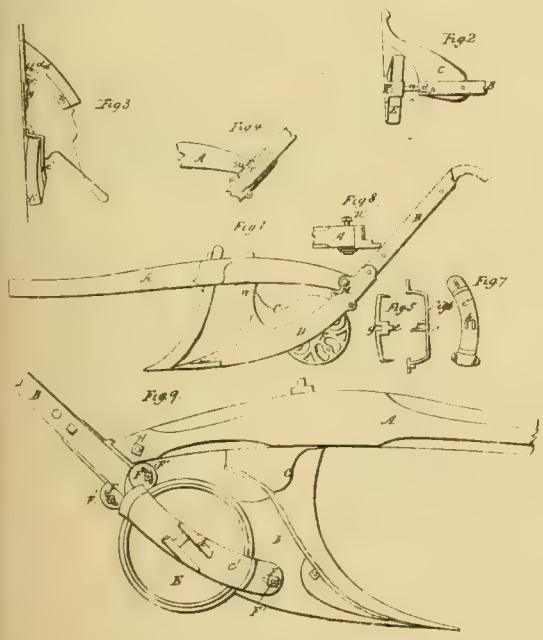
Plow.

No. 4,112. Patented July 14 1845

QUIGLEY & HALL.

Plow.

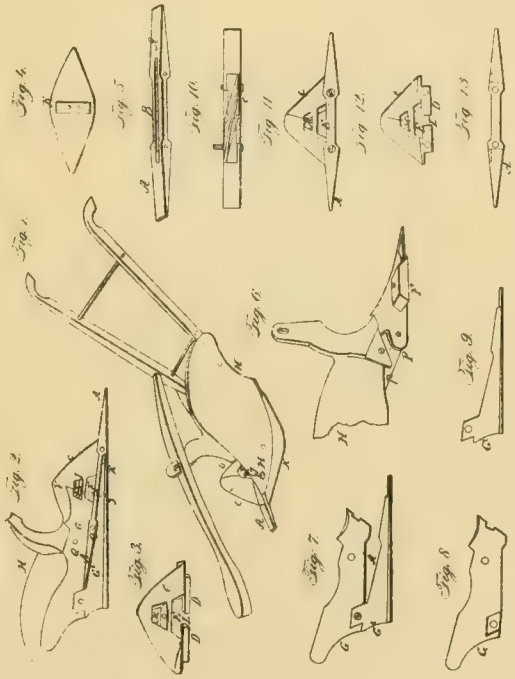
No. 4,222. Patented Oct. 7, 1845.



J. BALL.

Plow.

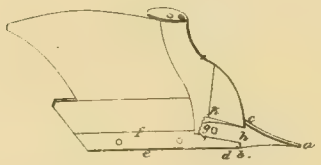
No. 4,263 Patented Nov. 8, 1845



S. WITHEROW.

Plow.

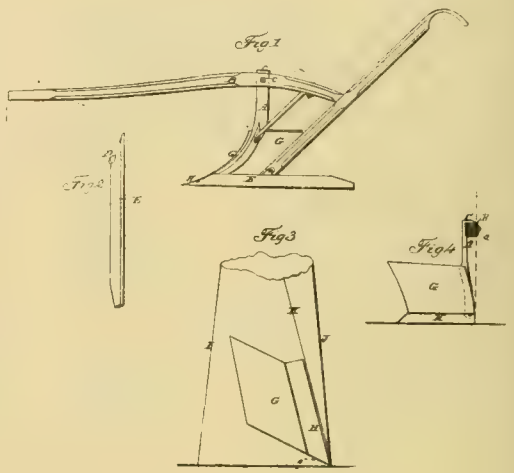
No. 4,465. Patented Apr. 18, 1846.



H. H. MAY

Plow

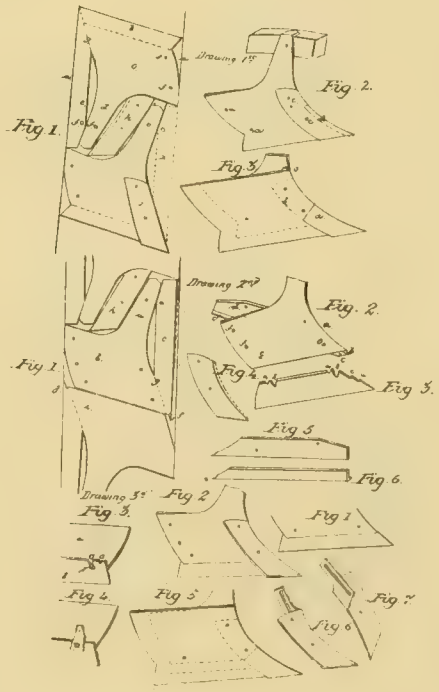
No. 4,482 Patented Apr. 25, 1846.



J. M. MAY.

Plow

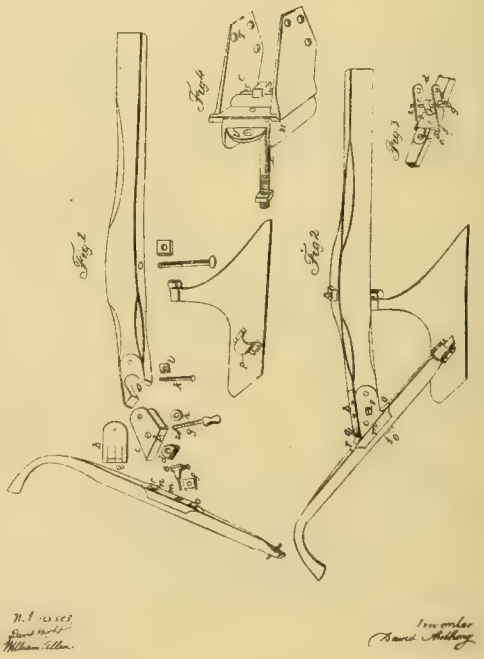
No. 4,493 Patented May 2, 1846.



D. ANTHONY.

Plow.

No. 4,549 Patented May 30, 1846.



J. Johnson;

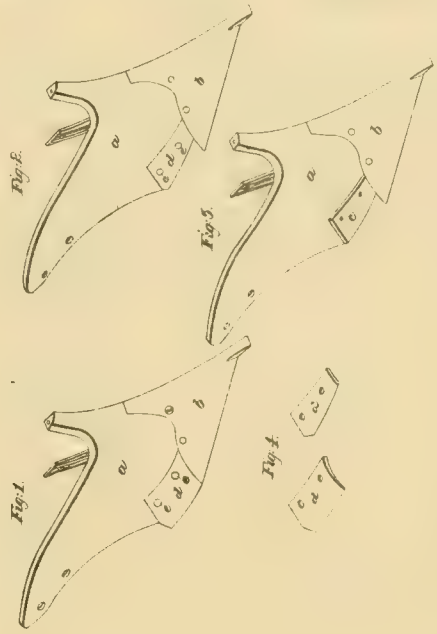
Plow,

No 4,552. Patented May 30 1846

D. PROUTY.

Plow.

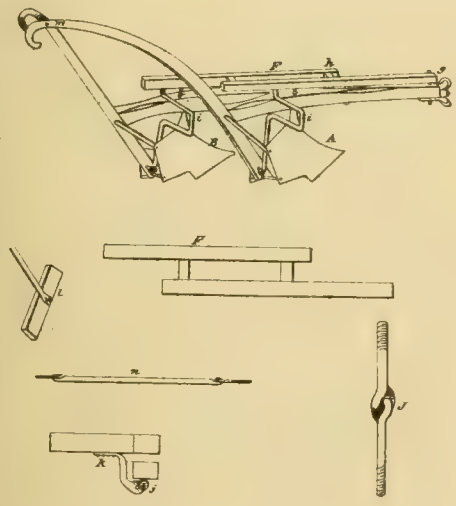
No. 4,928. Patented Jan. 13, 1847.



G. BARTLETT.

Plow.

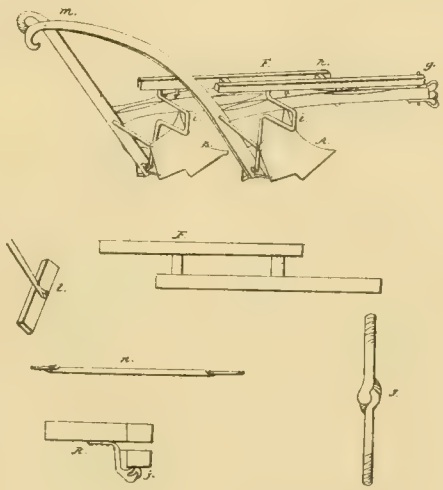
No. 4,976. Patented Feb 20, 1847.



G. BARTLETT.

Plow.

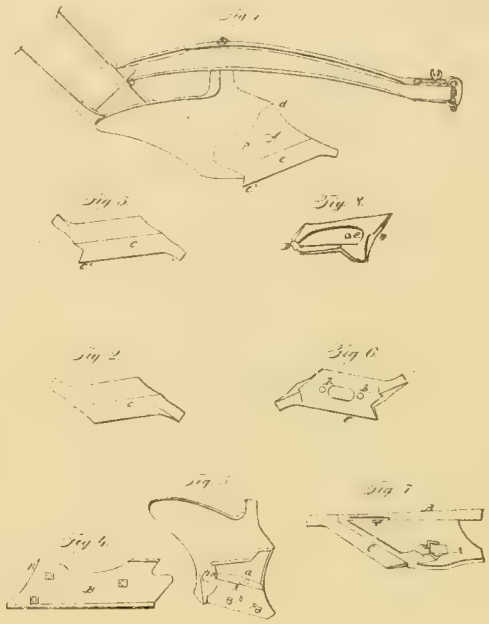
No 125. Reissued Nov 7, 1848.



J. H CONKLIN

Plow.

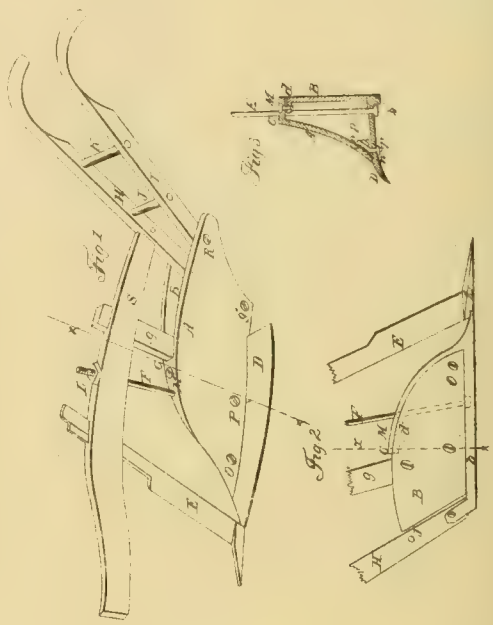
No. 4,980 Patented Feb. 27, 1847.



E. ALBERT

Plow.

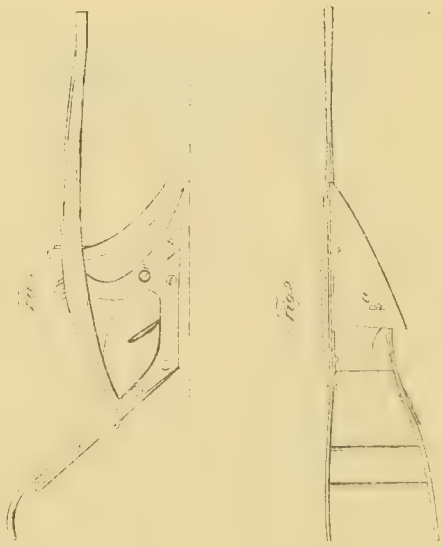
No. 4,195 Patented Mar 6 1847



J. WALKER.

Plow.

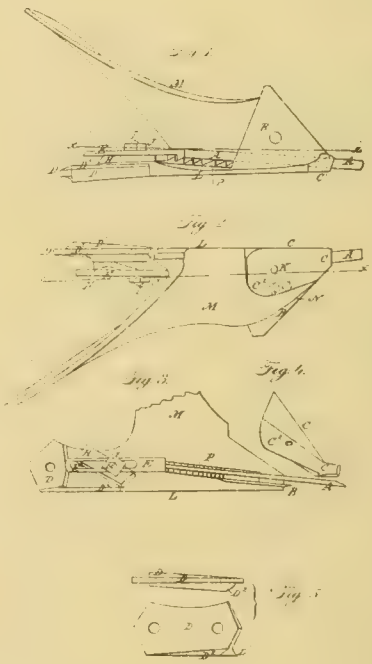
No. 5,168 Patented June 19, 1847.



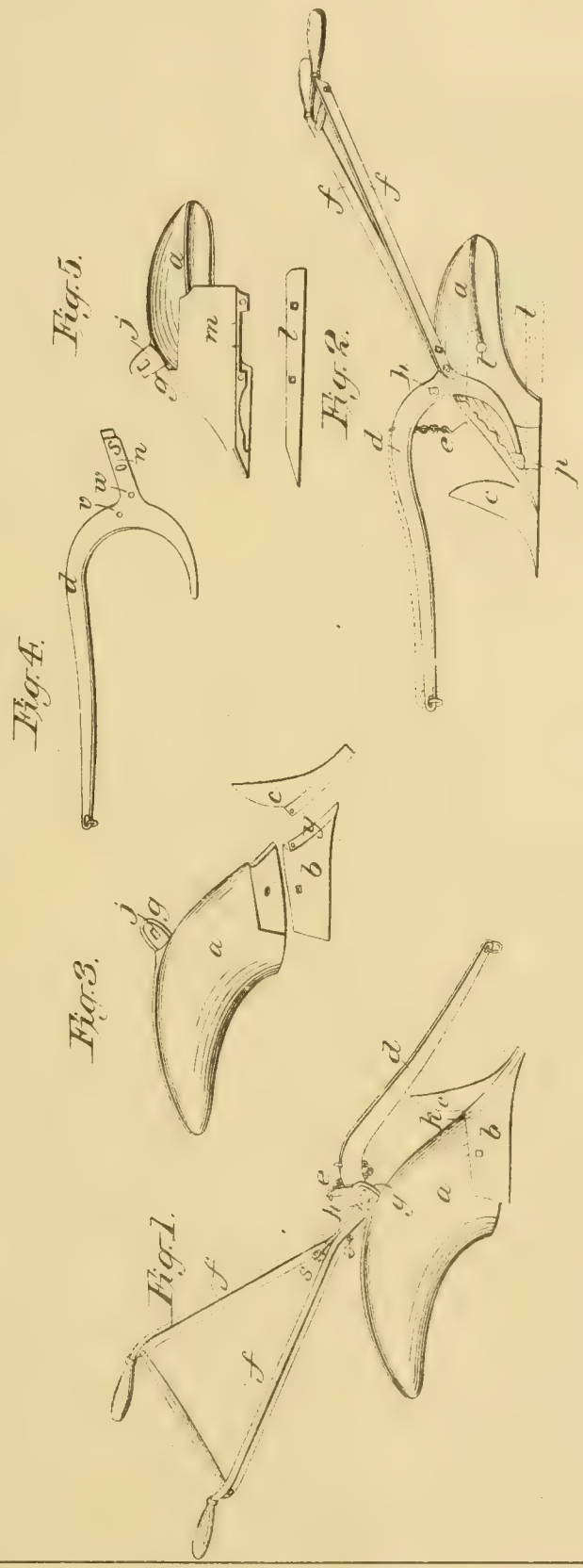
J ORMISTON.

Plow.

No. 5,750. Patented Sept. 5, 1848.



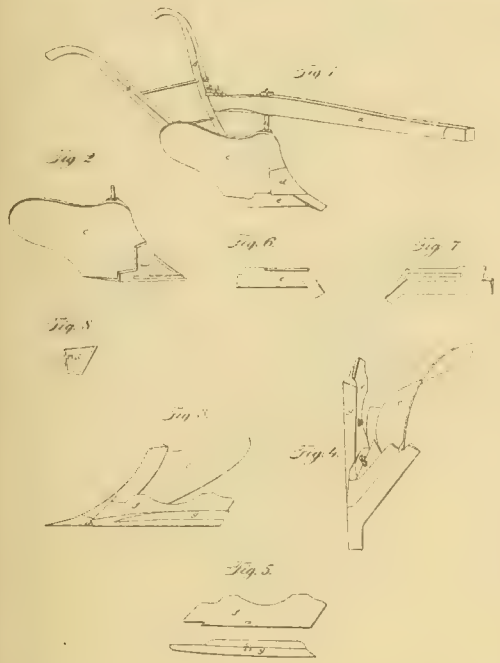
No. 5,529. S. HALL. PLOW Patented Apr. 25, 1848.



D. B. HAIGHT.

Plow

No. 5,981 Patented Dec. 26, 1848



A. LELAND

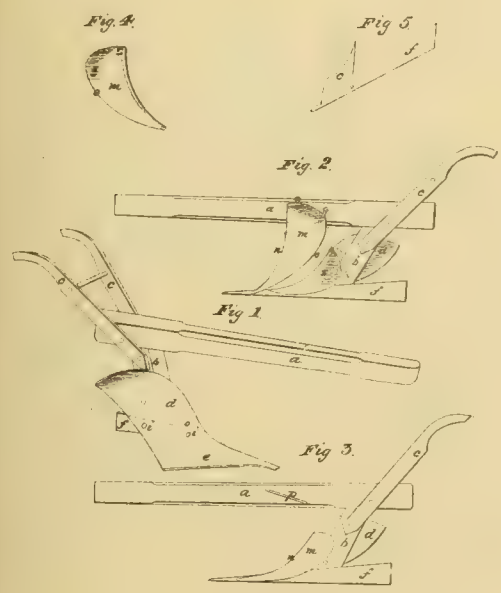
Cultivator

No. 5,998 Patented Jan. 2, 1849.

J. Layman.

Plow.

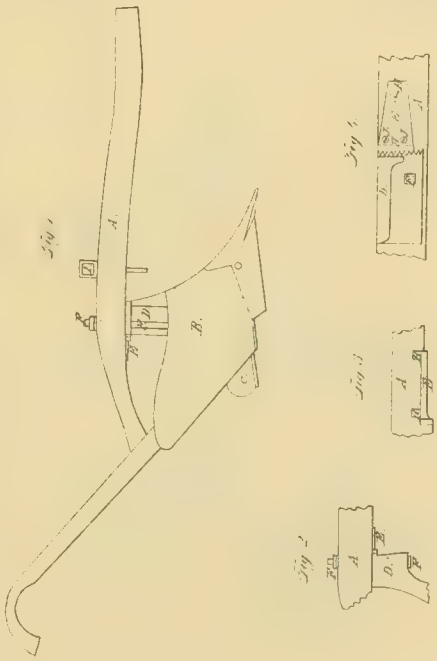
No. 5,999. Patented Jan. 2, 1849.



H. B. SINCLEAR.

Plow.

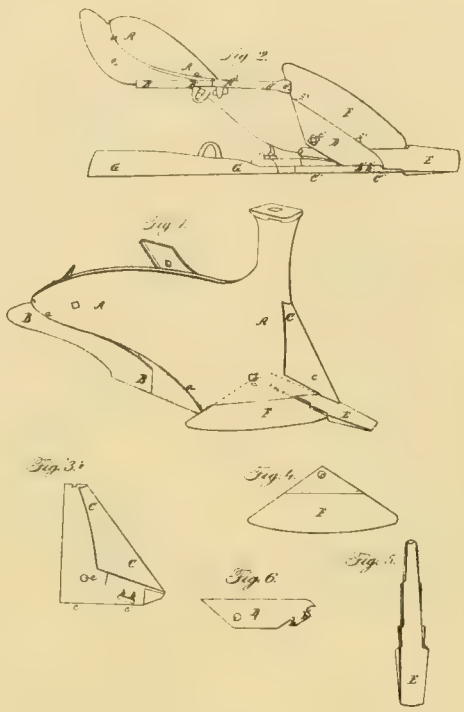
No. 6,020. Patented Jan. 9, 1849.



J. C. CLOUD.

Plow

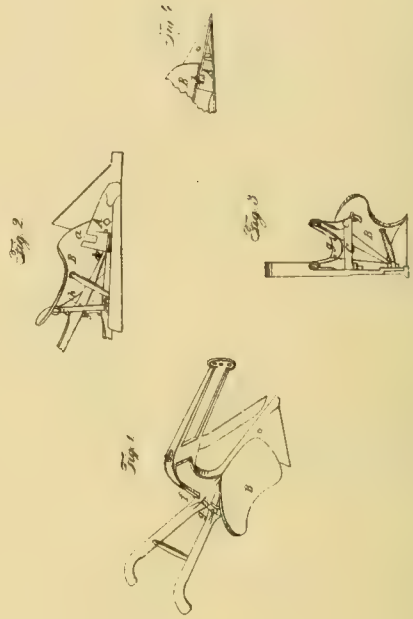
No. 6,100 Patented Feb. 6, 1849



J. RICH.

Plow.

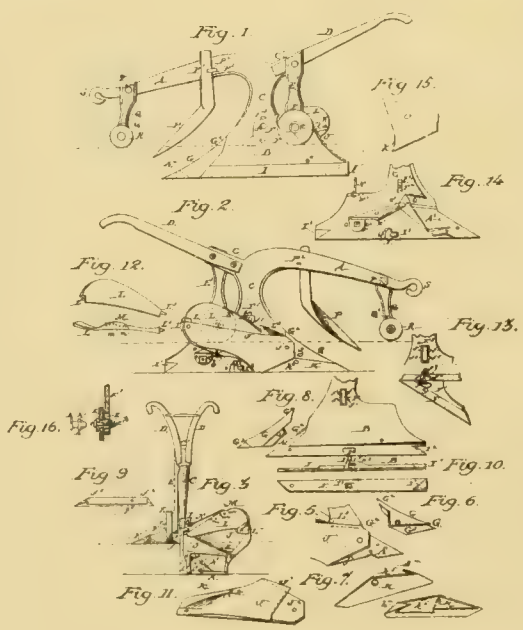
No. 6,611. Patented July 31, 1849.



J. WARREN.

Plow.

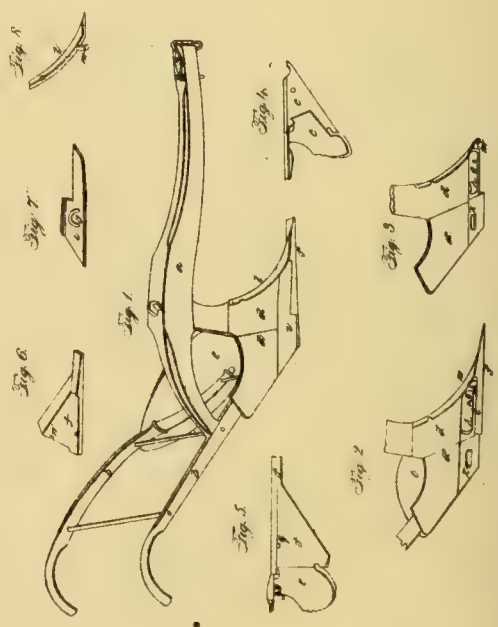
No. 6,620. Patented July 31, 1849



B. SEYLER.

Plow.

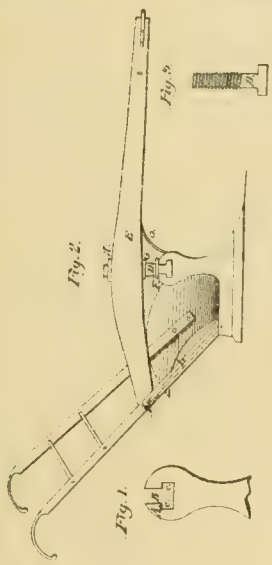
No. 6,788. Patented Oct. 16, 1849.



J. & W. D. Howell & J. Sipe.

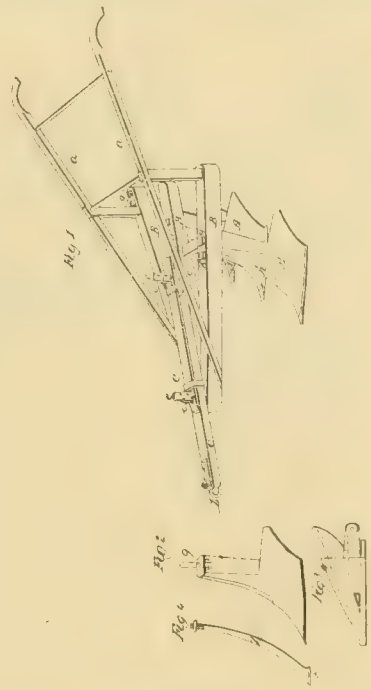
Plow.

No. 7,021. Patented Jan. 15, 1850



W. Morrison.

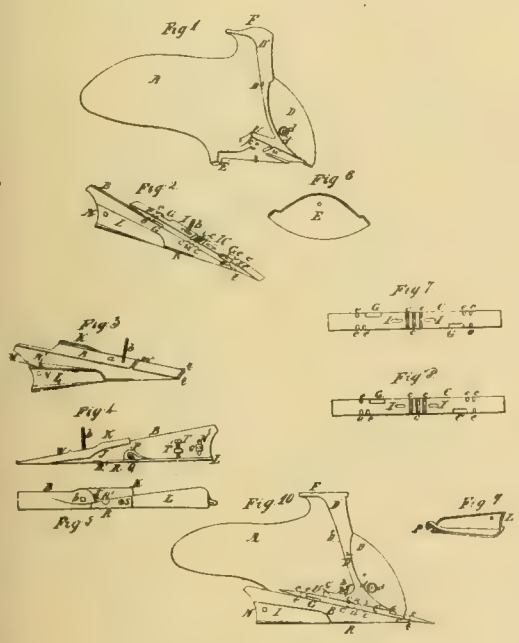
No. 7,666. Plow. Patented Sept. 17, 1850



Heffley, Conrad & Wagle.

Plow.

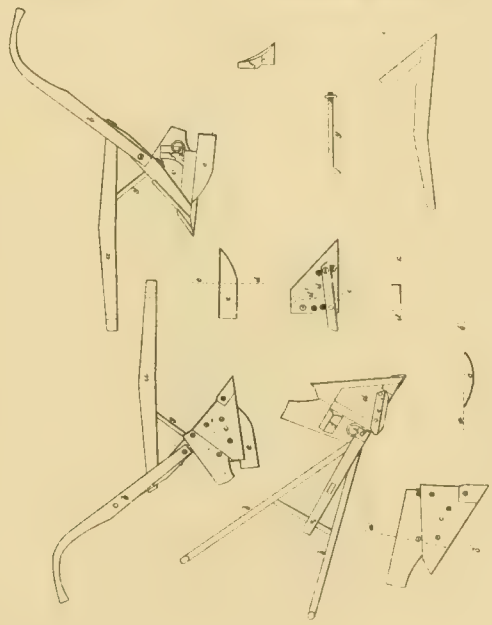
No. 7,994. Patented Mar. 26, 1851.



J. Woodward.

Plow.

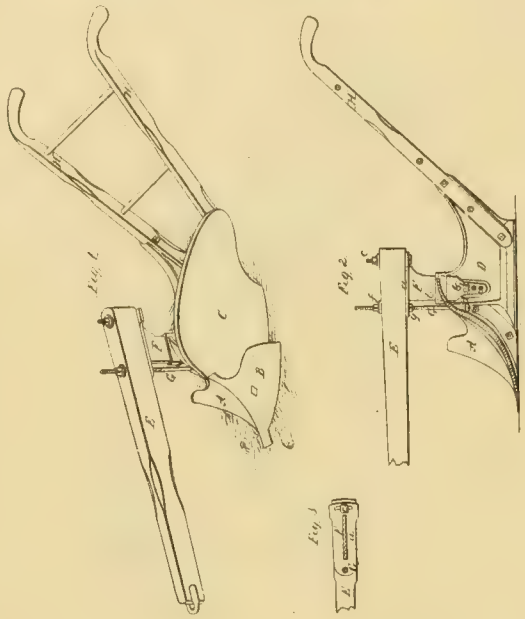
No. 8,794. Patented Mar. 9, 1852.



E. Ball.

Plow.

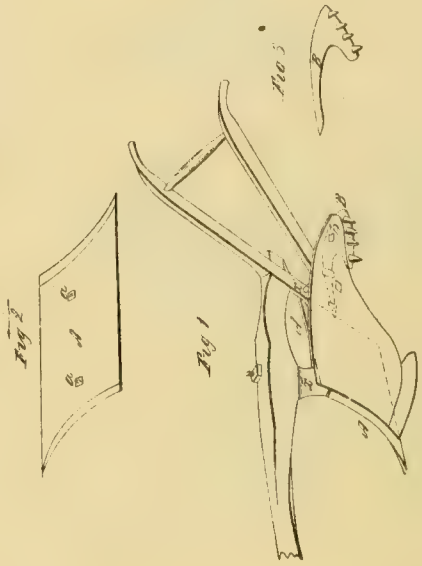
No. 8,819. Patented Mar. 23, 1852.



D. Swartz

Plow.

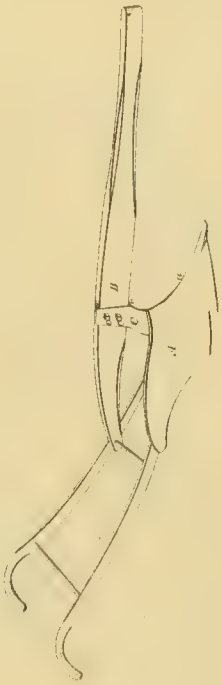
No. 9061. Patented June 22, 1852.



N. BLATCHLY.

Plow.

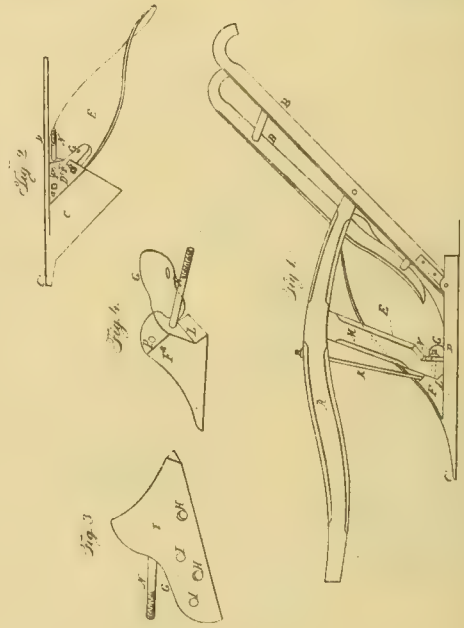
No. 9,129 Patented July 20, 1852.



HUNTER & GARDNER.

Plow.

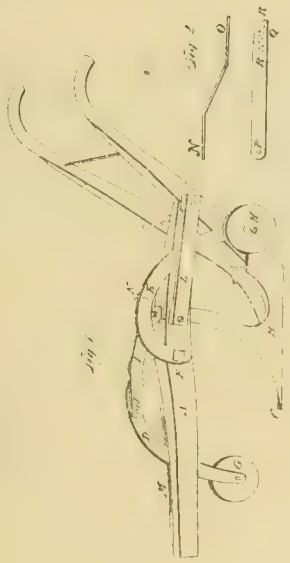
No. 9,362. Patented Oct. 26, 1852.



H. SPRAGUE.

Plow.

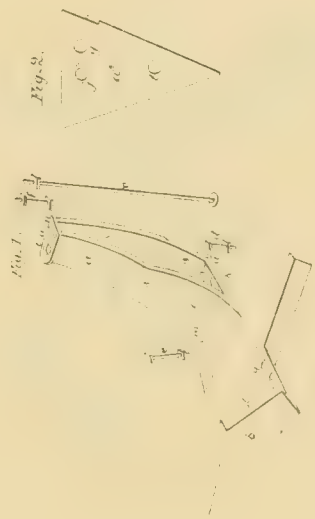
No. 9,473. Patented Dec., 14, 1852.



S. Horney,

Plow,

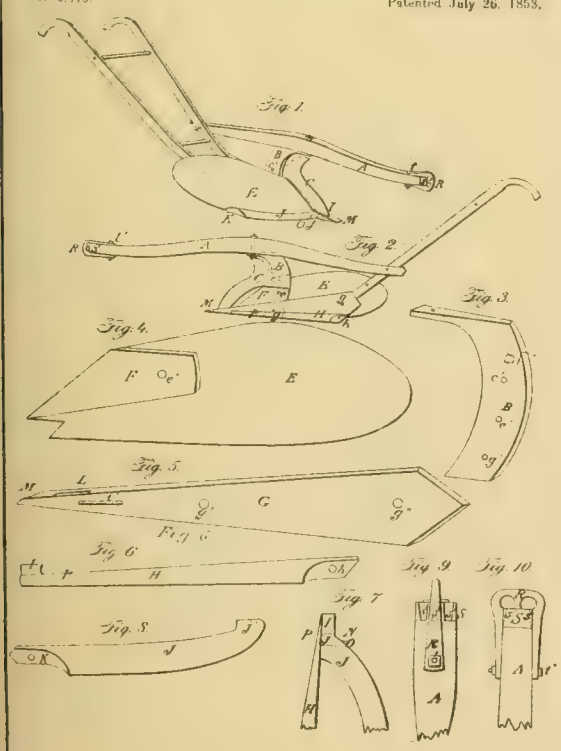
No. 9,646. Patented June 1853.



W. V. BURTON.

Plow.

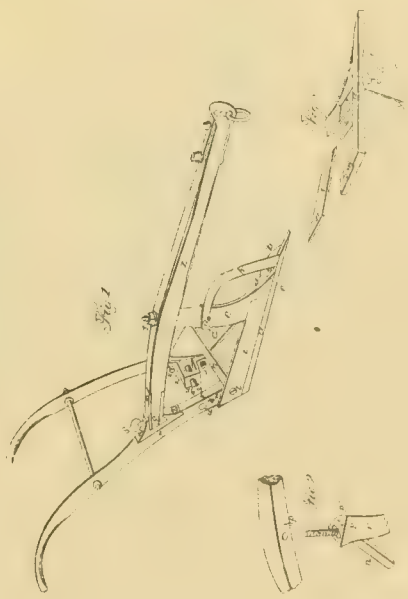
No. 9,875. Patented July 26, 1853.



R. A. GRAHAM.

Plow.

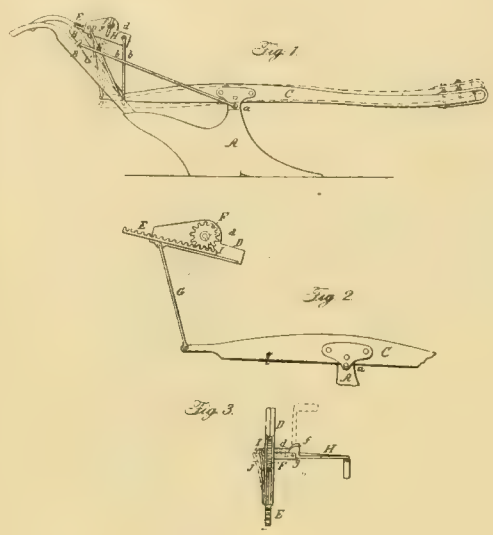
No. 10,069. Patented Oct. 4, 1853.



T. F. CHAPIN.

Plow.

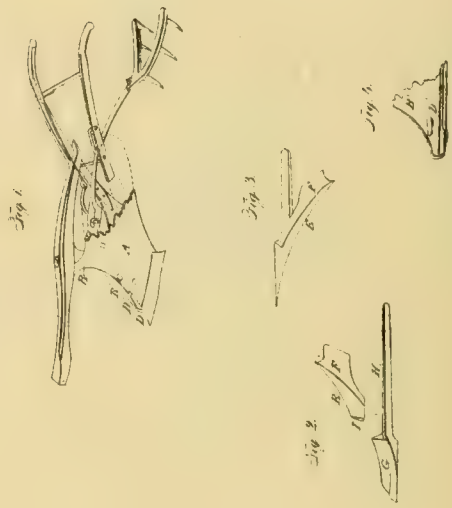
No. 11,356. Patented July 25, 1854.



D. & S. SWARTZ.

Plow.

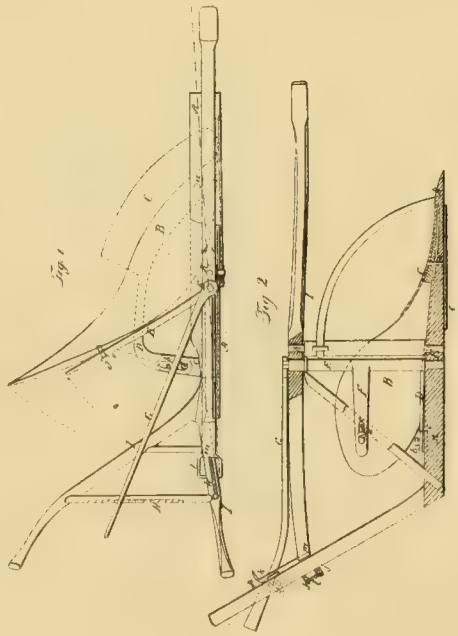
No. 11,575. Patented Aug. 22, 1854.



H. F. BAKER.

Plow.

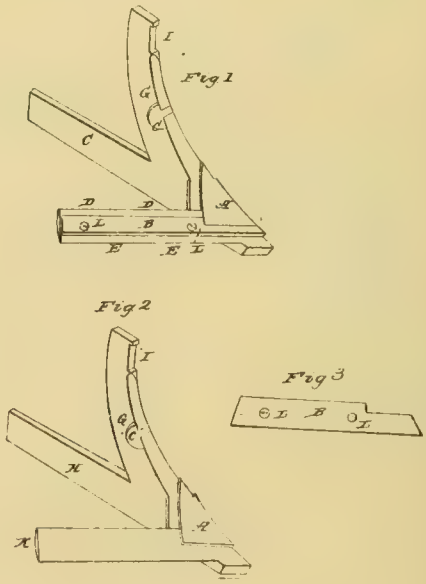
No. 11,821. Patented Oct. 24, 1854.



G. ESTERLY.

Plow Standard.

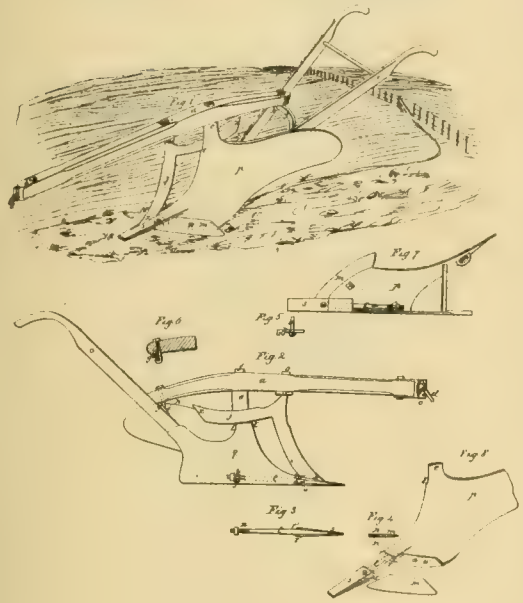
No. 12,381. Patented Feb. 13, 1855.



I. Reynolds.

Plow.

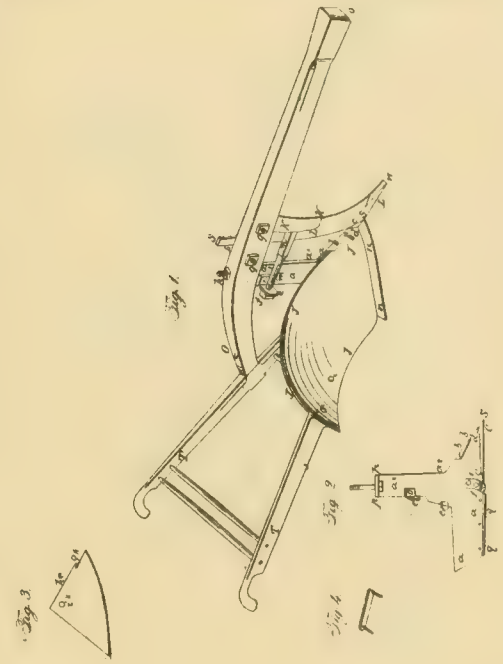
No. 12,398 Patented Feb. 13, 1855.



TAVENNER & NESMITH.

Plow.

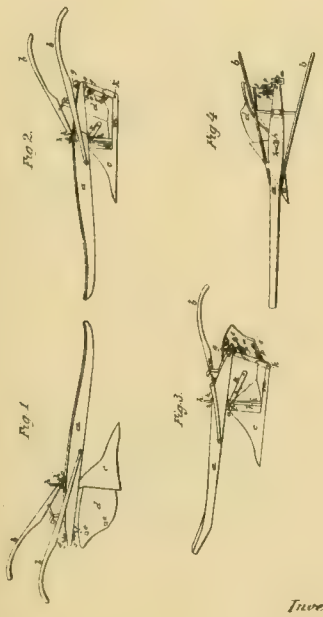
No. 12,838. Patented May 8, 1855.



L. G. EVANS.

Plow.

No 13,082. Patented June 19, 1855.



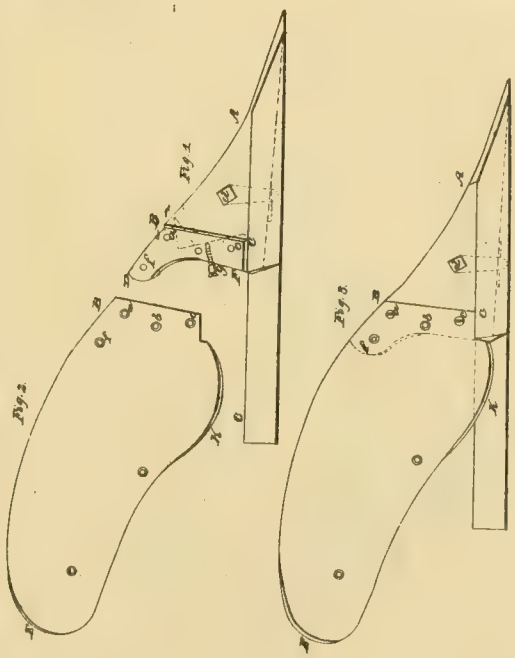
Witnesses
A. W. Barnes
[illegible]

Inventor
L. G. Evans

A. & S. PEACOCK.

Plow.

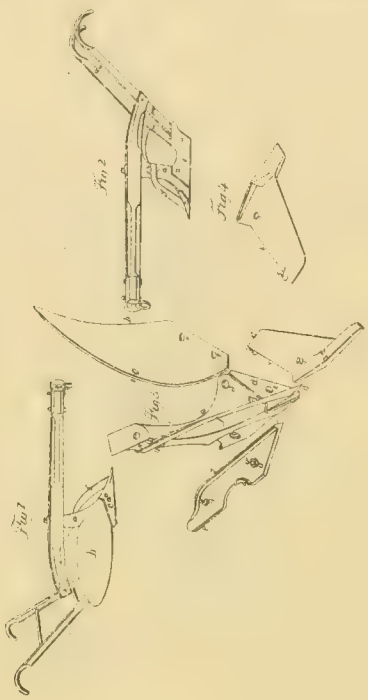
No. 13,228. Patented July 10, 1855.



J. L. GILL.

Plow

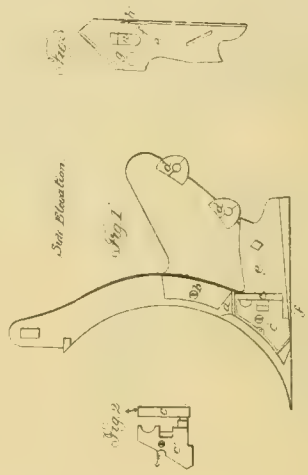
No. 13,493. Patented Aug. 25, 1855.



B. F. AVERY

Plow.

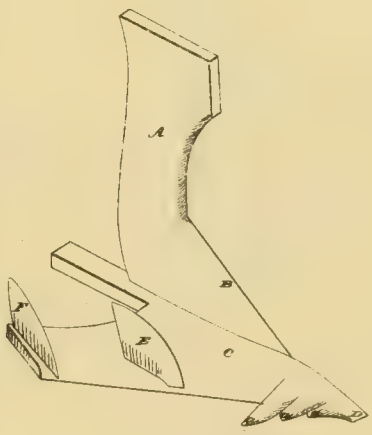
No. 14,044. Patented Jan. 8, 1856.



W. E. WYCHE.

Plow.

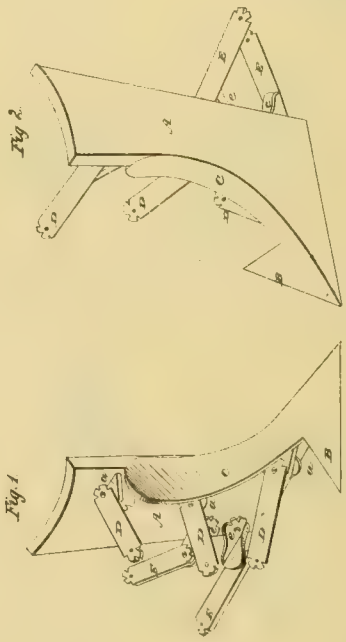
No. 14,075. Patented Jan. 8, 1856.

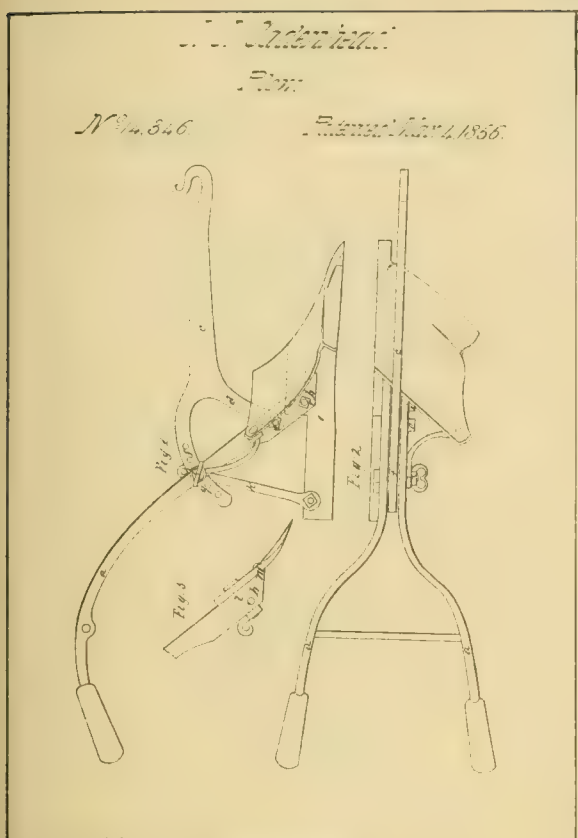


W. E. WYCHE.

Plow.

No. 14,233. Patented Feb. 26, 1856.

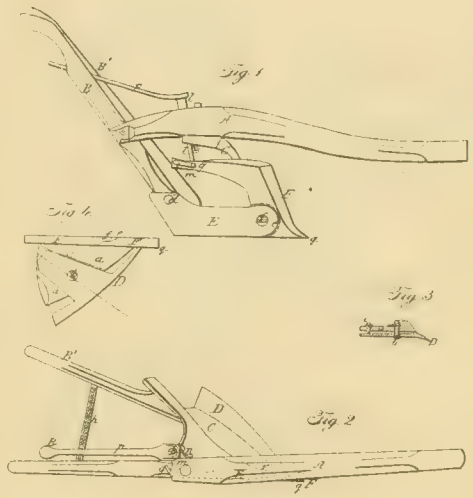




G. W. ZEIGLER.

Plow.

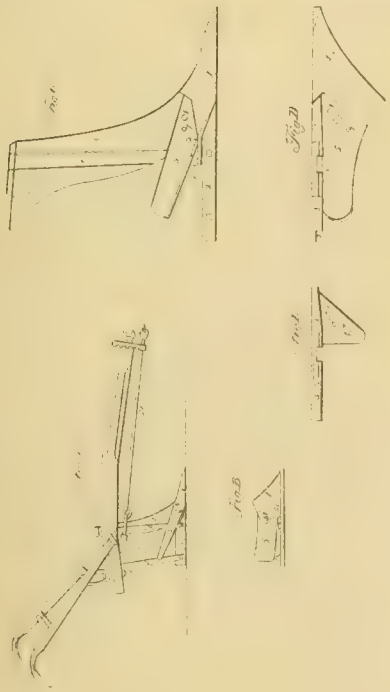
No. 14,989. Patented May 27, 1856.



GARRETT & COTTMAN

Plow.

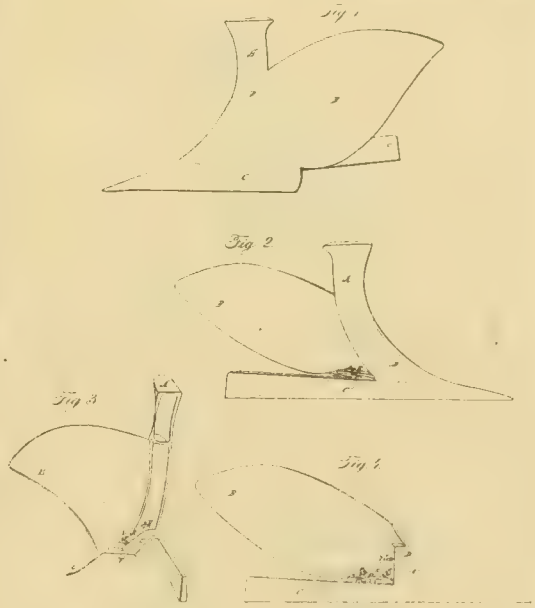
No. 15,039. Patented June 3, 1856.



LOCKWOOD & WINN

Plow

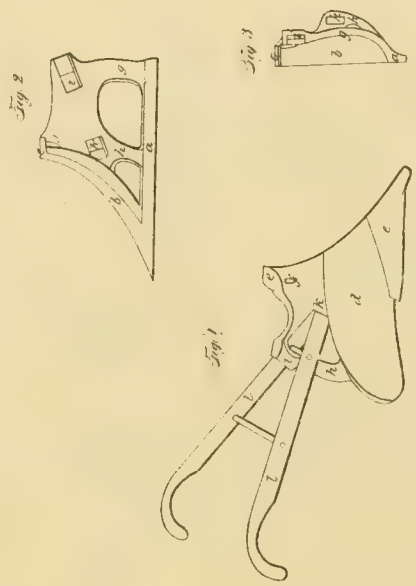
No. 15,137 Patented June 17, 1856.



J. RICH.

Plow.

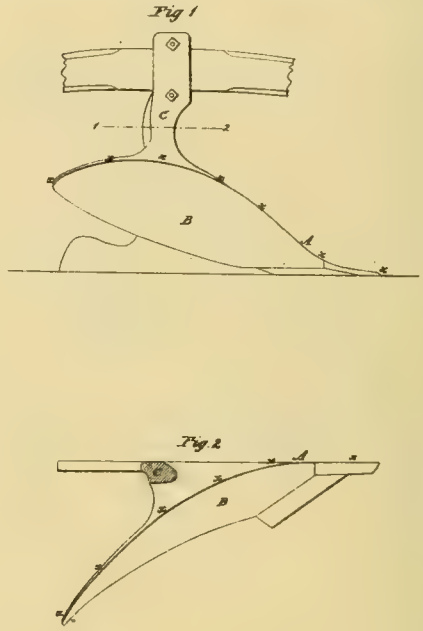
No. 15,344. Patented July 15, 1856.



G. Watt.

Plow.

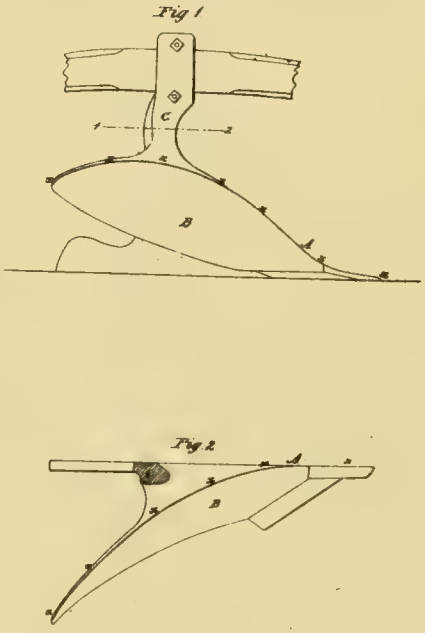
No. 16,218. Patented Dec 9, 1856.



G. Watt.

Plow.

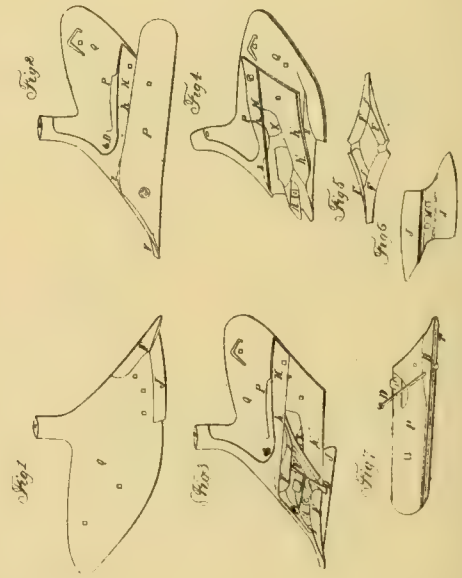
No. 506. Reissued Nov. 10, 1857.



J. HECKENDORN.

Plow.

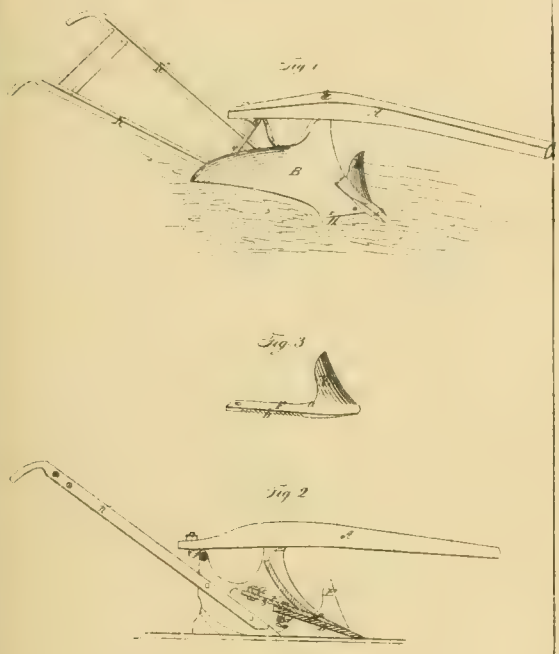
No. 16,277. Patented Dec. 23, 1856.



J. ORMISTON.

Plow.

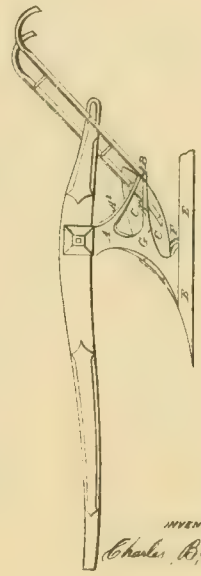
No. 17,476. Patented June 2, 1857.



C. R. INGERSOLL

Plow.

No. 17,577. Patented June 16, 1857.



WITNESSES:

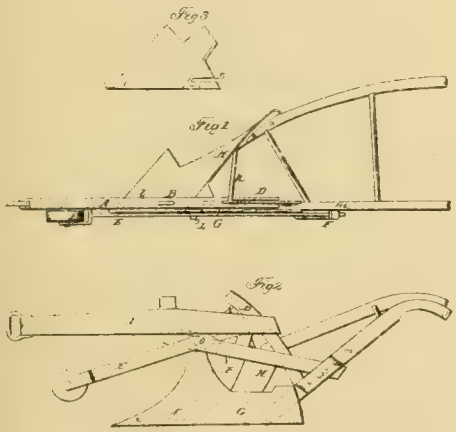
INVENTOR:

Charles R. Ingersoll

M. GROVER.

Plow.

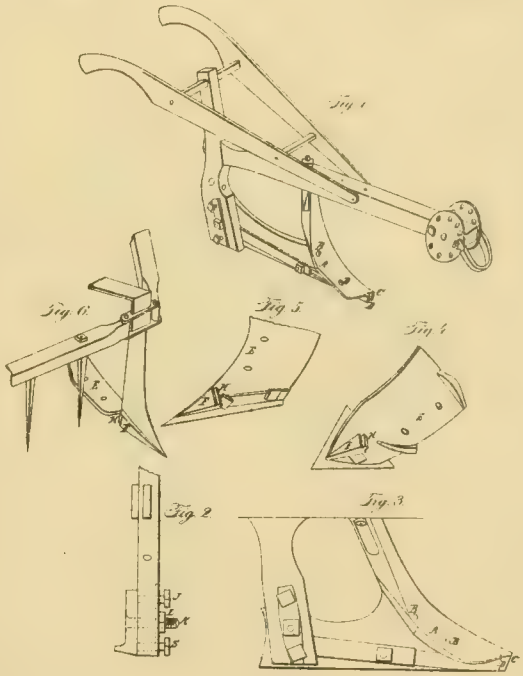
No. 18,335. Patented Oct. 6, 1857.



J. G. CUMMINGS.

Plow

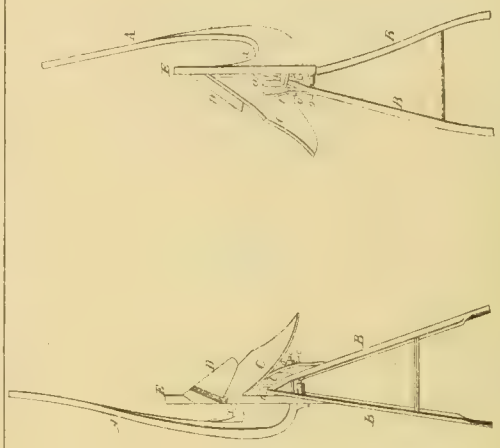
No. 18,682. Patented Nov. 24, 1857.



R. B. WINSTON.

Plow.

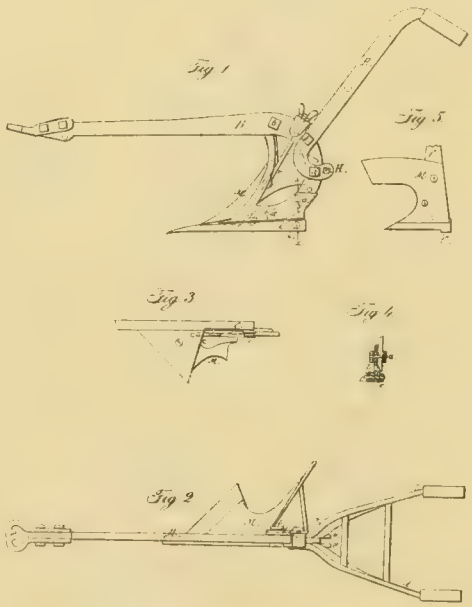
No. 18,783. Patented Dec. 1, 1857.



T. THOMPSON.

Plow.

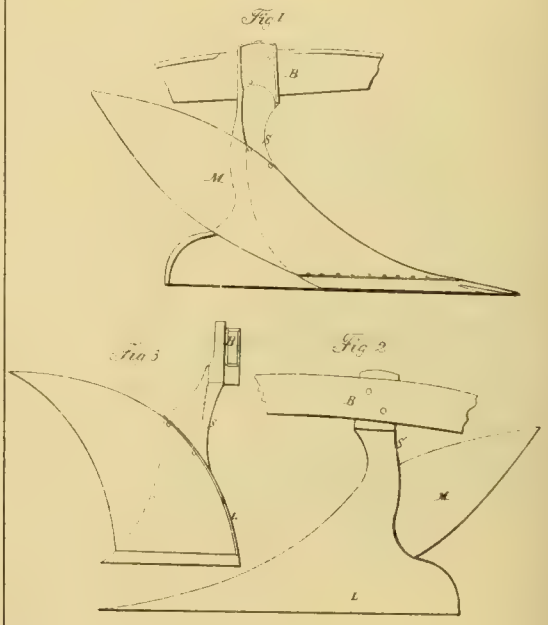
No 19,163. Patented Jan. 19, 1858.

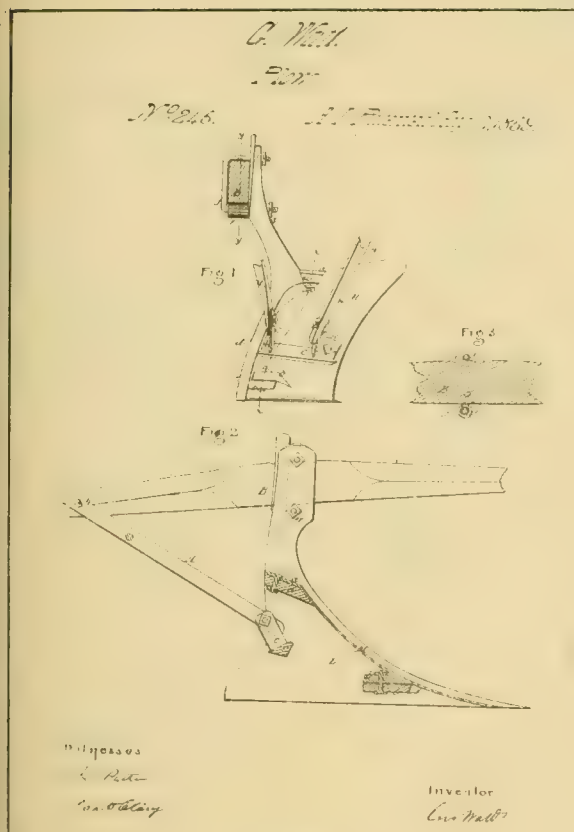


G. WATT.

Plow.

No. 19,321. Patented Feb. 9. 1858.



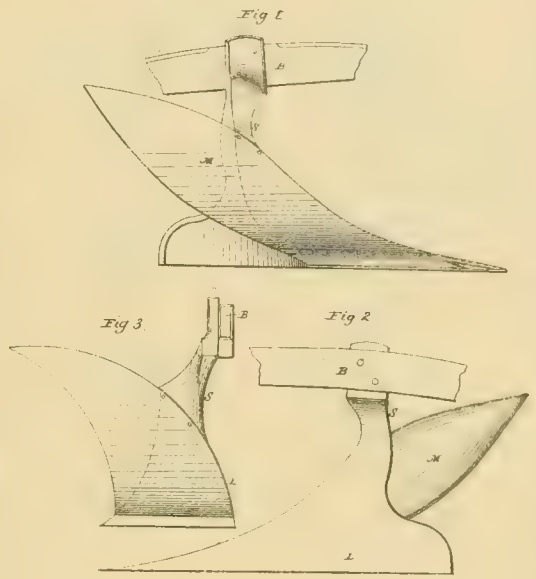


G. WATT.

Plow.

No. 790.

Reissued Aug. 2, 1859.

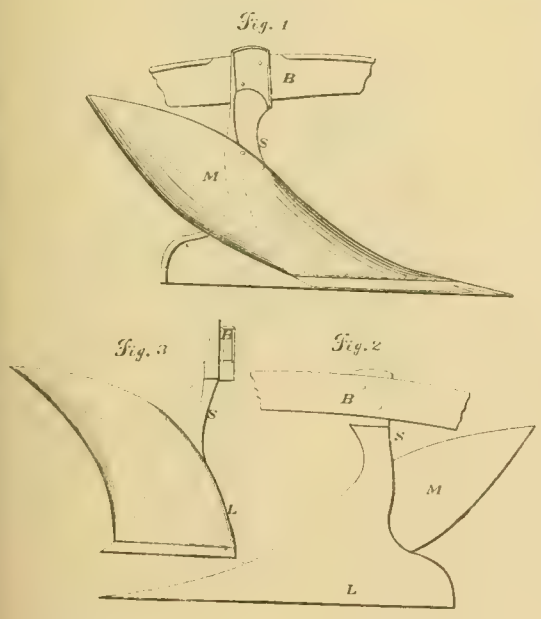


G. WATT.

Plow.

No. 3,071.

Reissued Aug. 4, 1868.

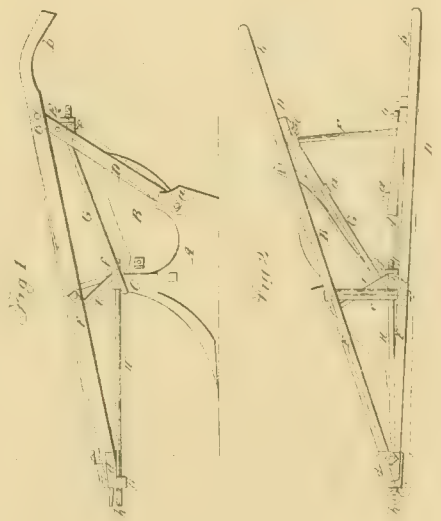


T. SANFORD.

Plow.

No. 19,455.

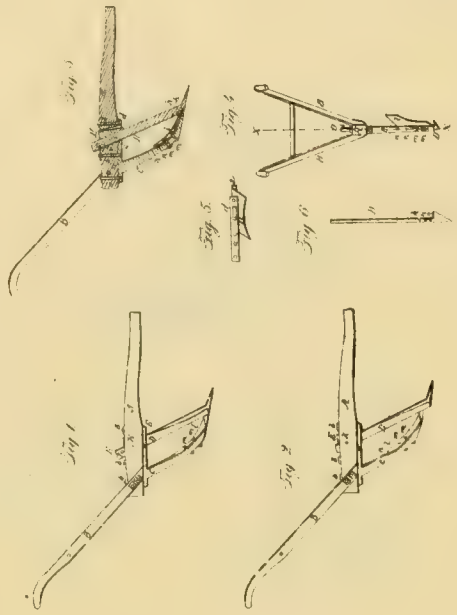
Patented Feb. 23, 1858.



D. HOKE.

Plow.

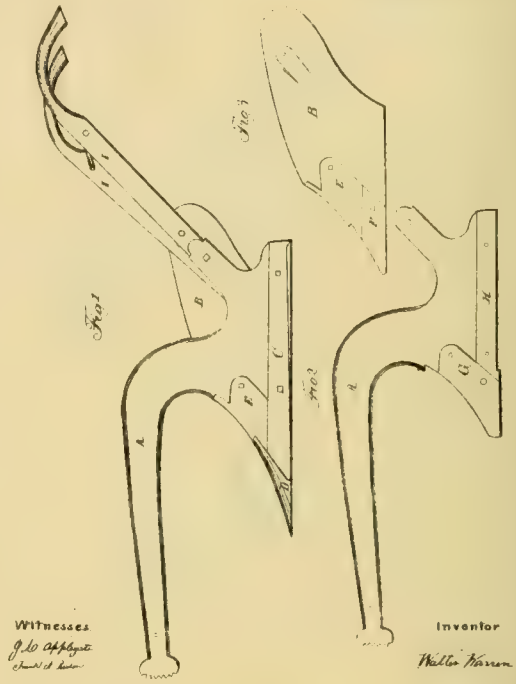
No. 19,563. Patented Mar. 9, 1858.



W. WARREN

Plow.

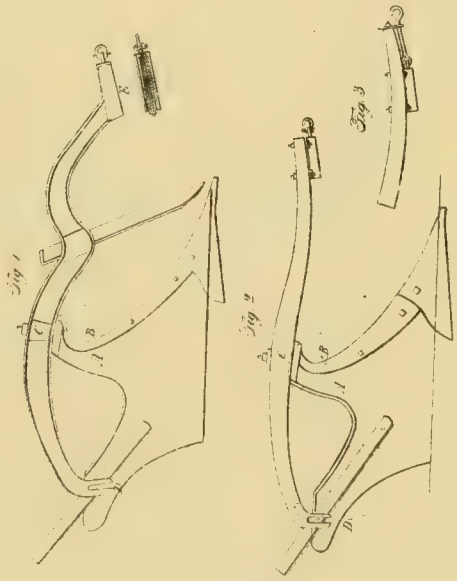
No. 20,968. Patented July 20, 1858.



S. HULBERT.

Plow.

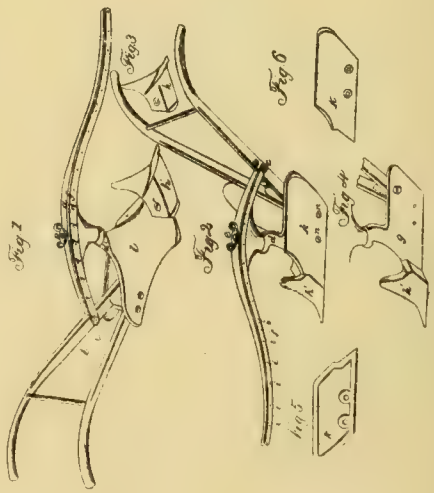
No. 21,423. Patented Sept. 7, 1858.



J. DICKSON.

Plow.

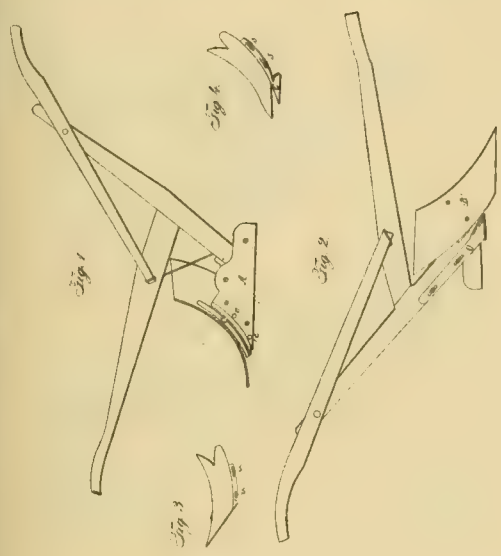
No. 21,824. Patented Oct. 19, 1858.



W. REANCY.

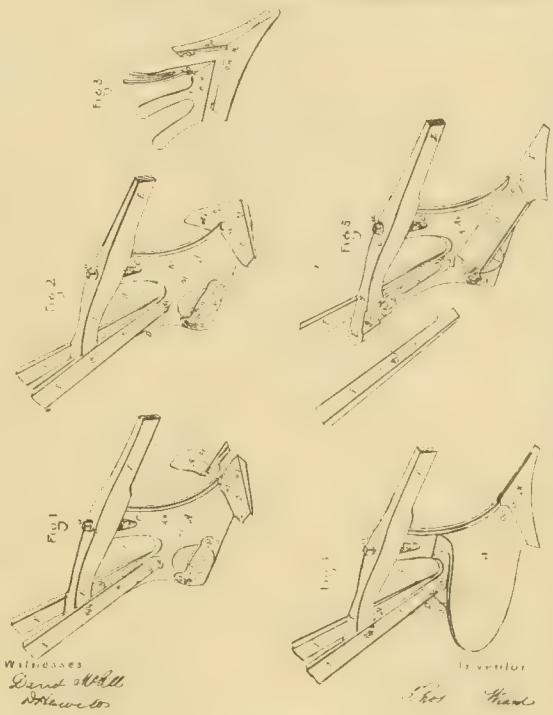
Plow.

No. 21,846. Patented Oct. 19, 1858.



T. Wilson

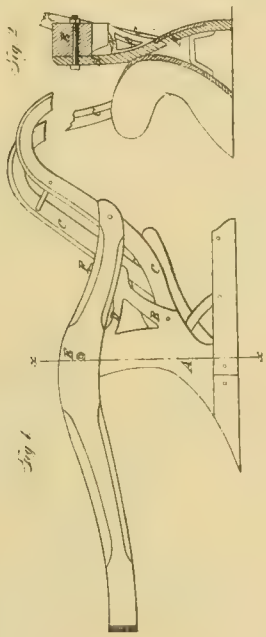
No. 22,332. Plow. Patented Dec. 14, 1858.



R. VINCENT.

Plow.

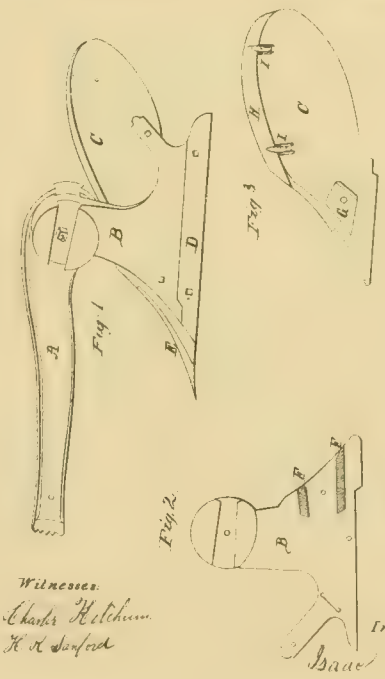
No. 22,389. Patented Dec. 21, 1858.



I. Rudeson

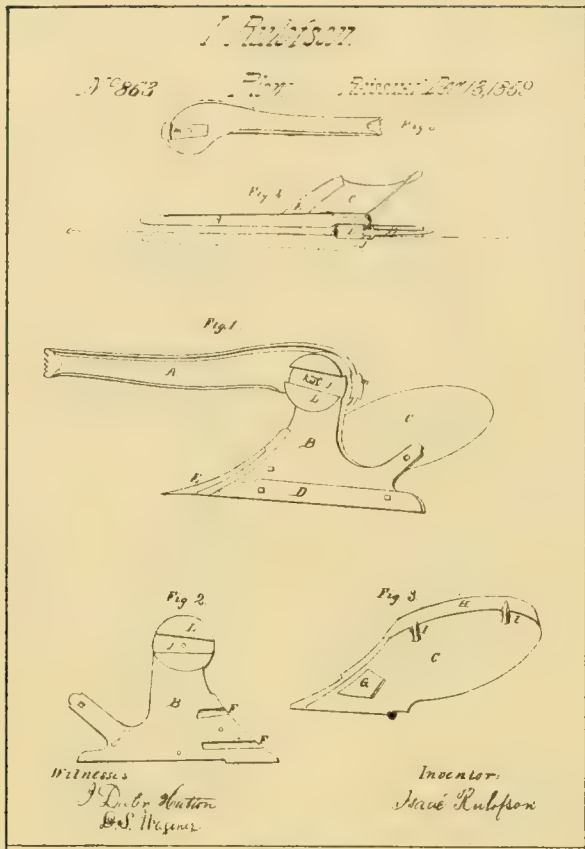
Plow.

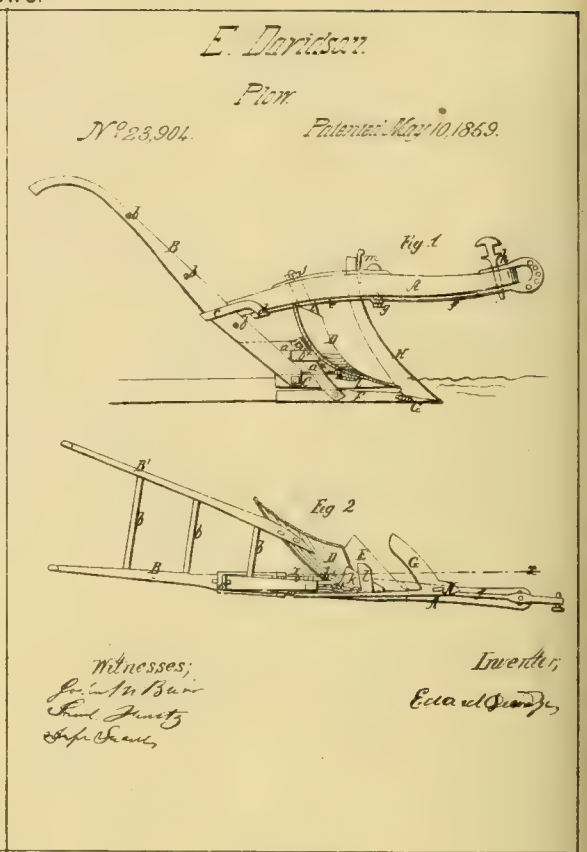
No. 23,116. Patented Mar. 1, 1859.

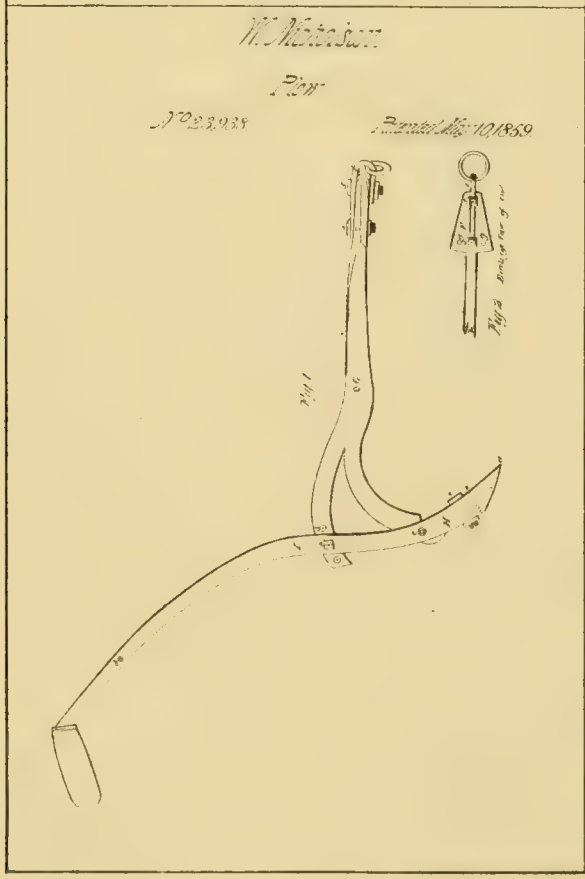


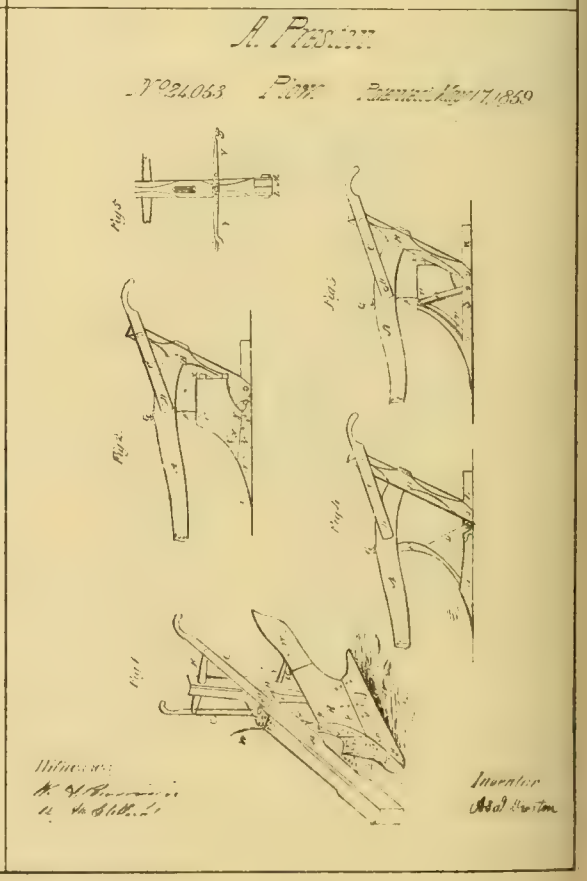
Witnesses:
Charles Hitchcum
H. H. Sanford

Inventor
Isaac Rudeson


No 863
Plow
Fig 1
Fig 2
Fig 3
Witnesses
Inventor:


E. Davidson.
Plow.
No 23,904.
Patented May 10, 1859.
Fig 1
Fig 2
Witnesses;
Inventor;

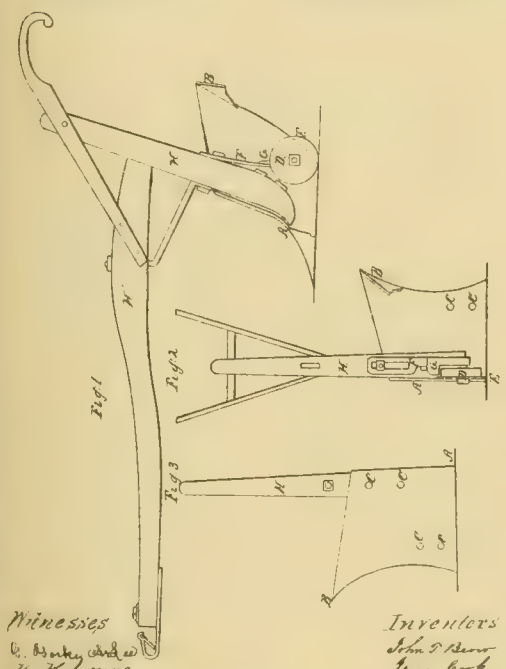

W. Robinson
Plow
No 23,938
Patented May 10, 1859
Fig 1


A. Preston
No 24,053
Plow
Patented May 17, 1859
Witnesses:
Inventor

Cook & Bever.

Plow.

No. 24,617. Patented Jul. 5, 1859



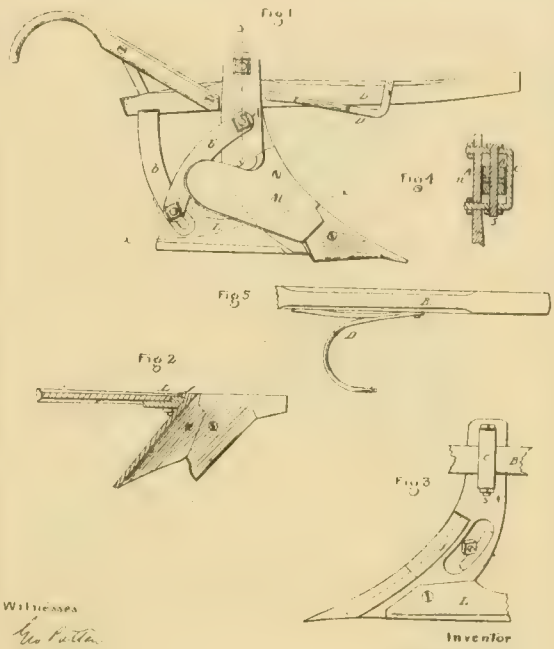
Witnesses
W. Bailey
H. H. Young

Inventors
John T. Bever
Isaac Cook
By John T. Bever Attorney

W. F. Williams.

Plow.

No. 25,463. Patented Sept. 13, 1859.



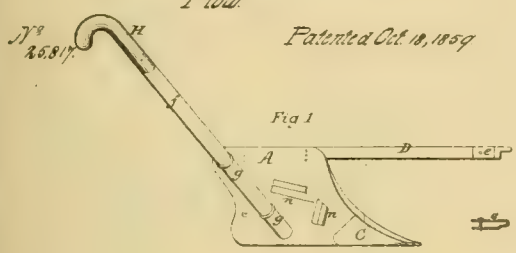
Witnesses
Geo. Potter
Jos. Oblenis

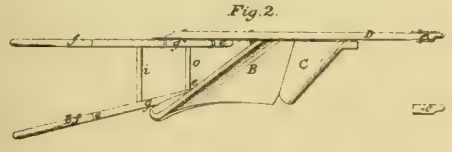
Inventor
W. F. Williams

Emery & Wilson.

Plow.

No. 25,817. Patented Oct. 18, 1859





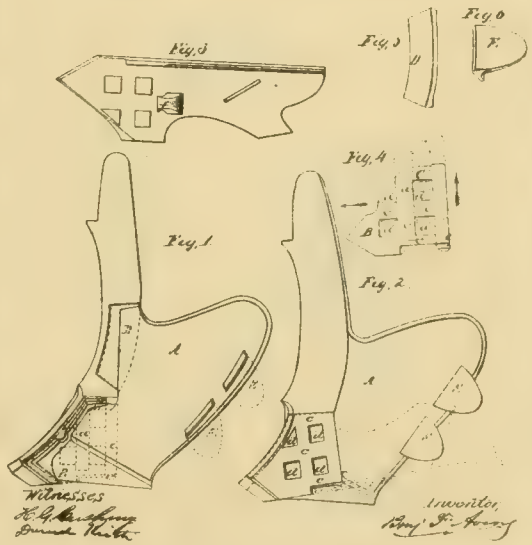
Witnesses
Mark Wood
Albert F. Wood

Inventor
Gilmore Emery
Aaron C. Wilson

E. F. Avery.

Plow

No. 25,873. Patented Oct. 25, 1859.



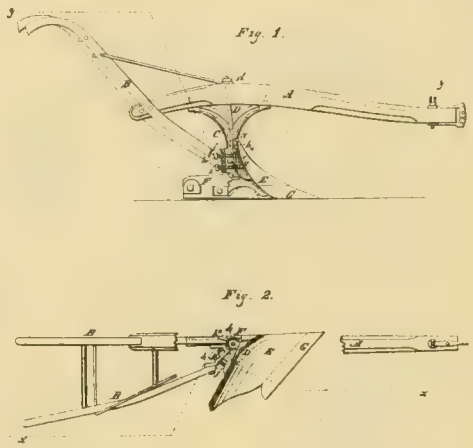
Witnesses
H. G. Cushing
Daniel Ricks

Inventor,
Elias F. Avery

W. T. Jones,

Plow.

No. 26,111. Patented Nov. 15. 1859.



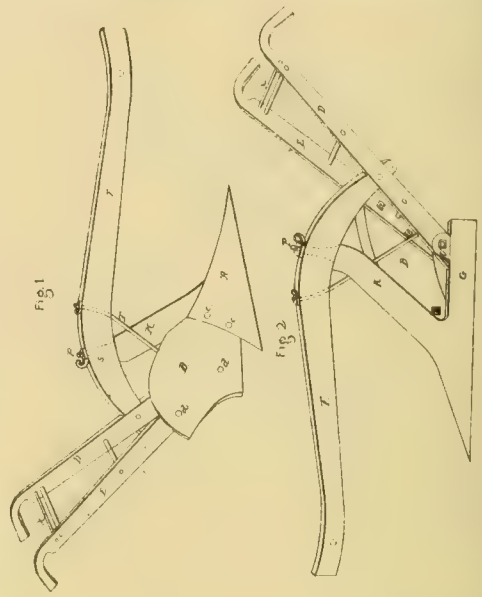
WITNESSES:

INVENTOR:

W. F. Vezzer.

Plow.

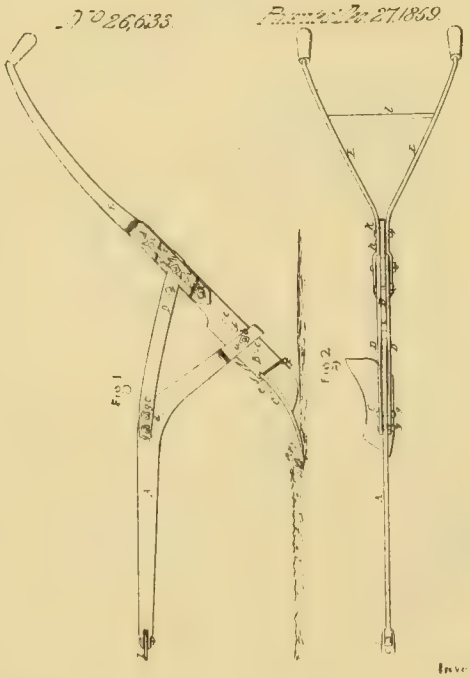
No. 26,390. Patented Dec. 6, 1859.



S. Walker.

Plow.

No. 26,633. Patented Dec. 27, 1859.



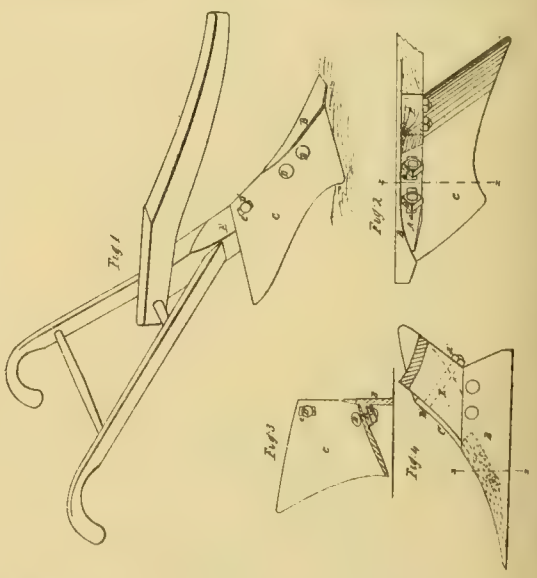
Witnesses

Inventor

H. F. Cromwell.

Plow.

No. 26,655. Patented Jan. 3, 1860.



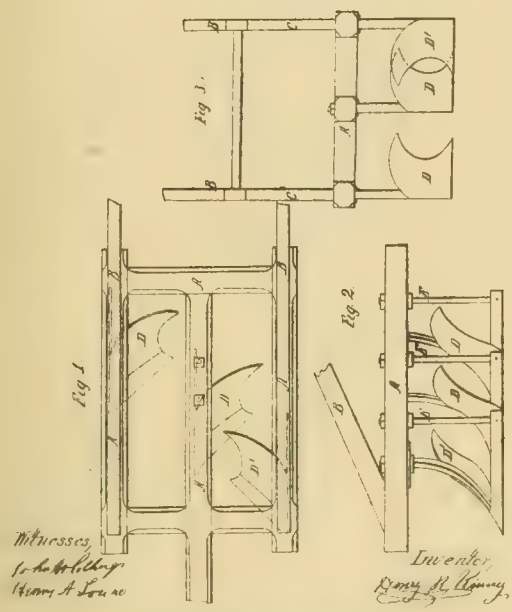
Witnesses

Inventor
H. F. Cromwell

H. K. Kinney,

Plow.

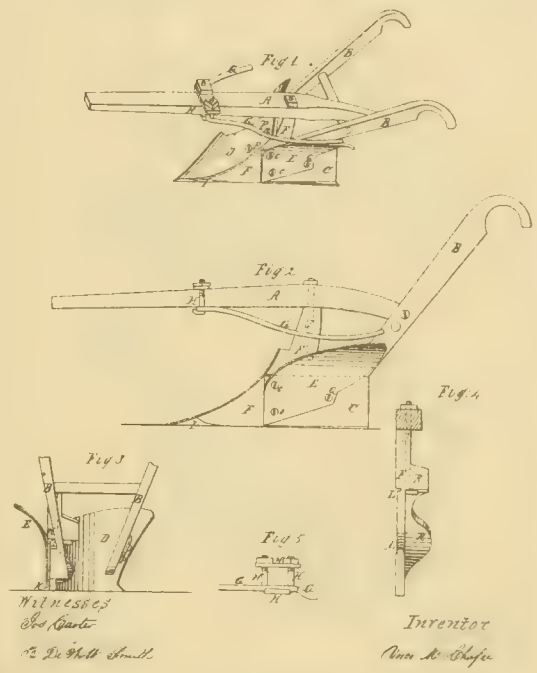
No. 26,682. Patented Jan. 3. 1860.



T. M. Chafee,

Plow.

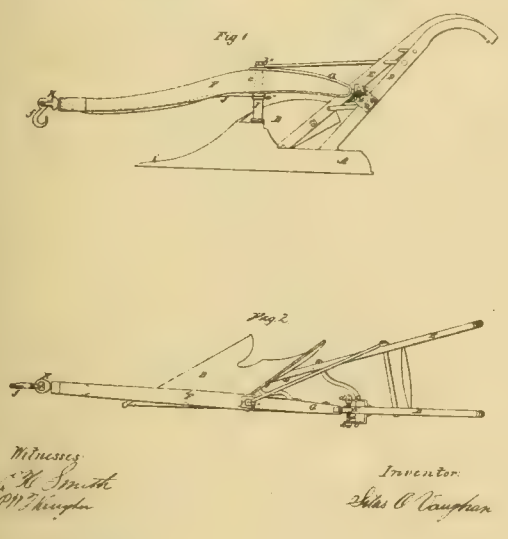
No. 26,833. Patented Jan. 17. 1860.



S. O. Vaughan

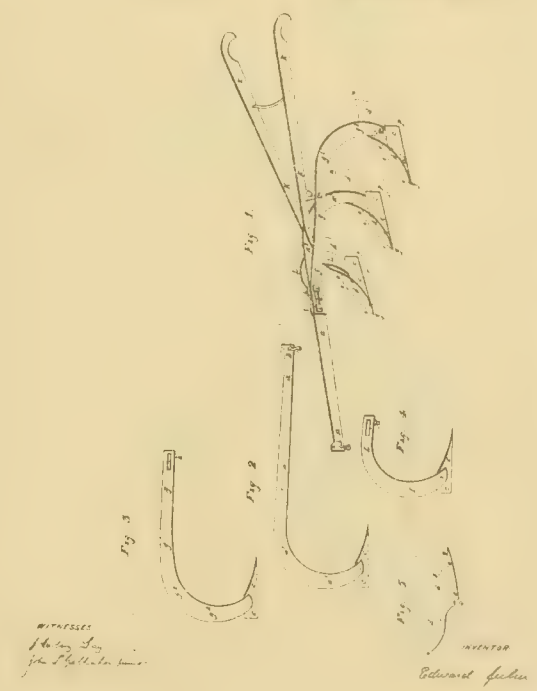
Plow.

No. 27,322. Patented Feb. 28, 1860



Plow.

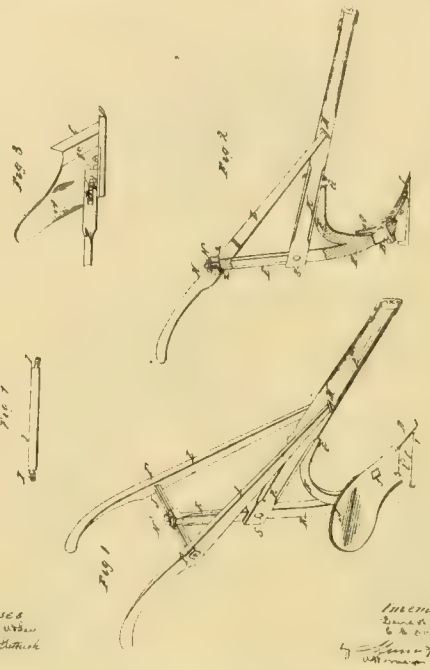
No. 27,460 Patented Mar. 13, 1860.



D. H. & E. E. Smith.

Plow

No. 27,745. Patented Apr. 3, 1860.



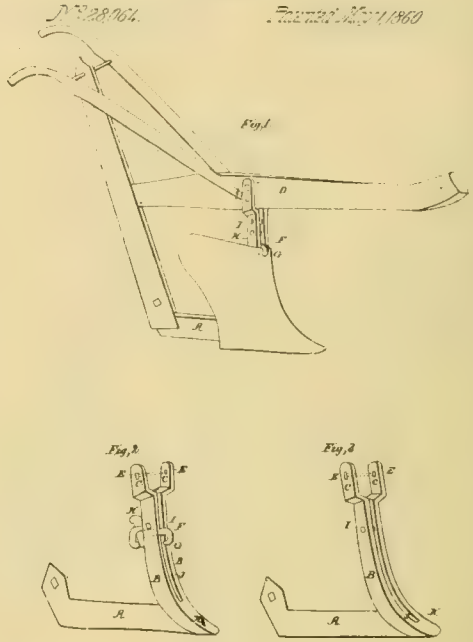
Witnesses

Inventors

J. H. Ryan

Plow

No. 28,764. Patented May 1, 1860



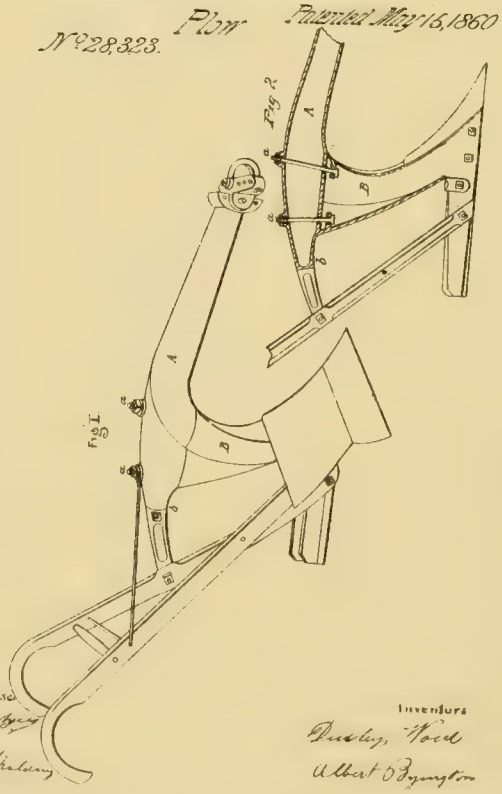
Witnesses.

Inventor.

Wood & Byington.

Plow

No. 28,323. Patented May 15, 1860



Witnesses

Inventors

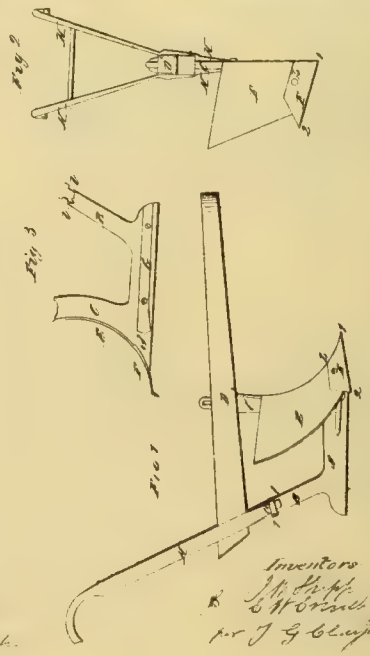
Dudley Wood

Albert S. Byington

Shipp & Cranston.

Plow

No. 28,907. Patented Jun. 26, 1860.



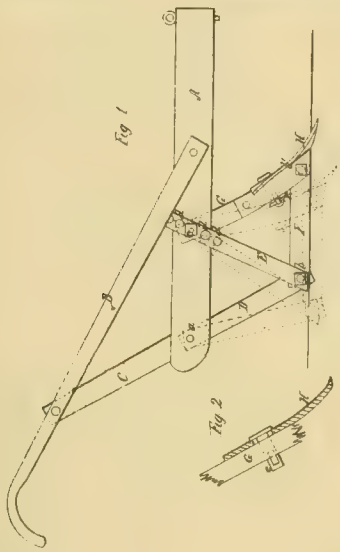
Witnesses

Inventors

F. E. Clark.

Plow.

No. 29,139. Patented Jul. 17, 1860.



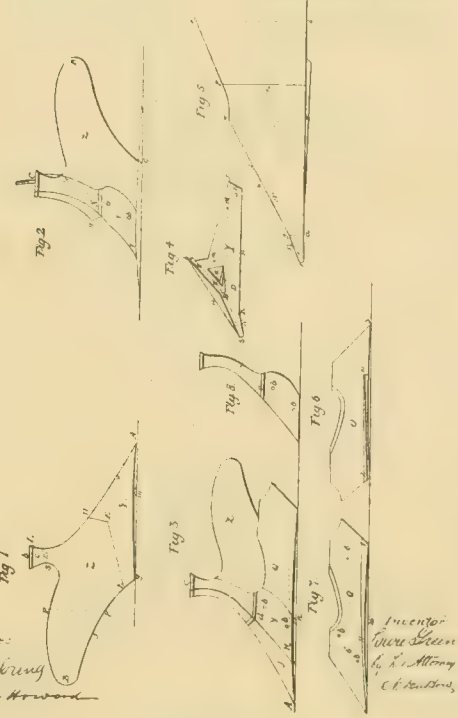
Witnesses,
R. A. Spinner
H. Connelly

Inventor,
E. F. Clark,
per Munn & Co.
Attorneys

L. Green.

Plow.

No. 29,162. Patented Jul. 17, 1860.



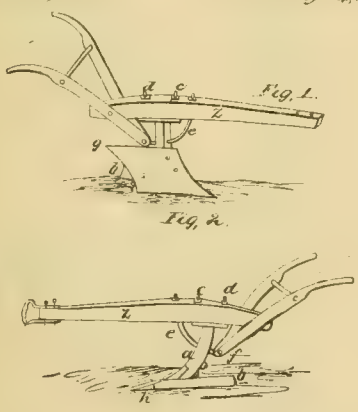
Witnesses
Hugh Kreng
Joshua Howard

Inventor
Levi Green
by E. Mitchell Attorney
C. A. Mitchell

S. Canterberry.

Plow.

No. 29,569. Patented Aug. 14, 1860.



Witnesses,
John McNeil
J. C. Skipp

Inventor,
Samuel Canterberry

J. S. Hall,

Plow,

No. 29,591. Patented Aug. 14, 1860.

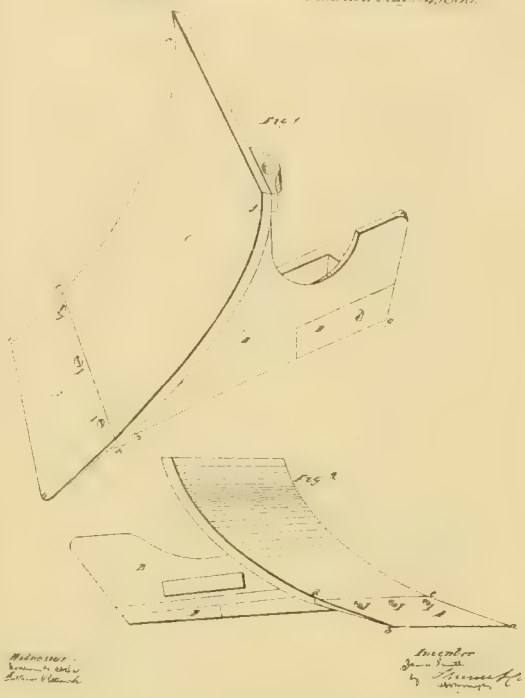
Witnesses:
J. Spur
J. Lynch

Inventor,
John S. Hall
per A. B. Stockton
attorney.

J. Smith.

Plow.

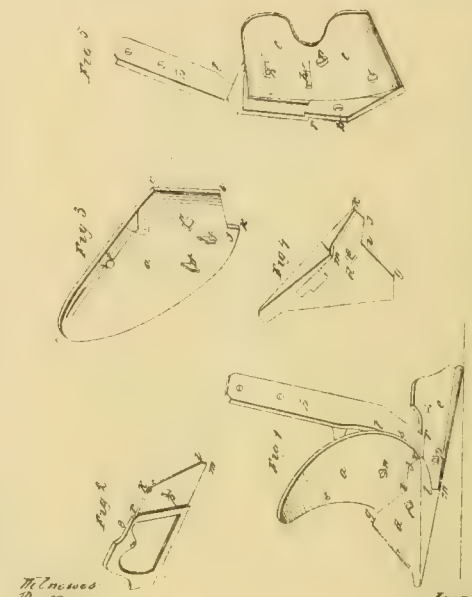
No. 29,629. Patented Aug. 14, 1860.



P. H. Stark.

Plow.

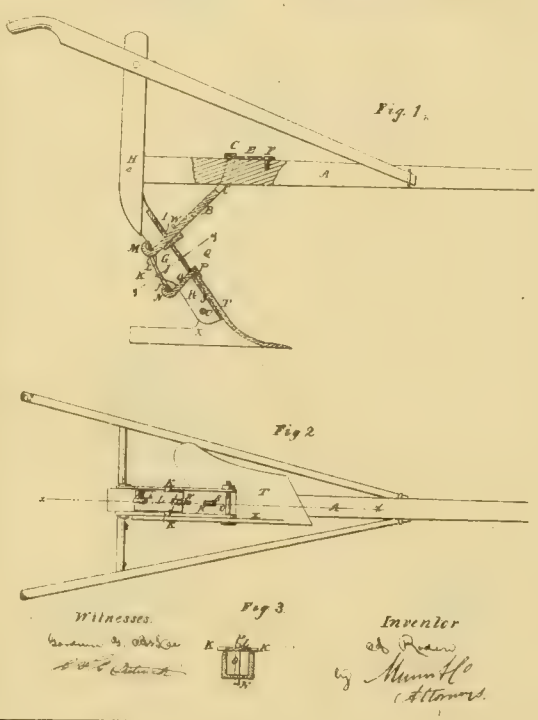
No. 29,726. Patented Aug. 21, 1860.



A. Rotzer.

Plow.

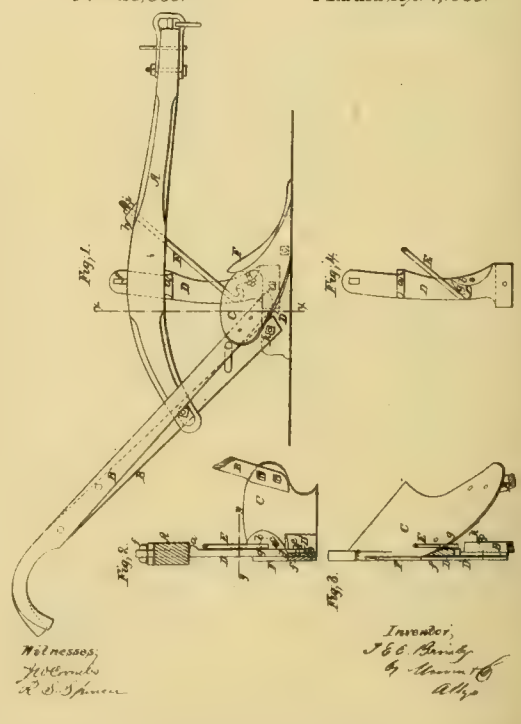
No. 29,823. Patented Aug. 28, 1860.



T. E. C. Brinly.

Plow.

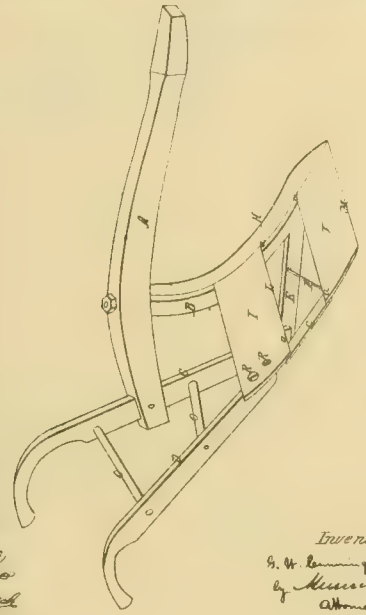
No. 29,858. Patented Sep. 4, 1860.



G. W. Cunningham.

Plow.

No. 30,125. Patented Oct. 26, 1860.



Witnesses,

Inventor,

G. W. Cunningham

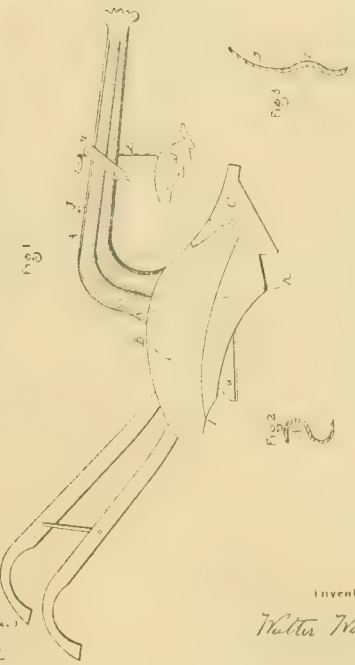
by Munn & Co

Attorneys

W. Warner.

Plow.

No. 31,170 Patented Oct. 26, 1860.



Witnesses

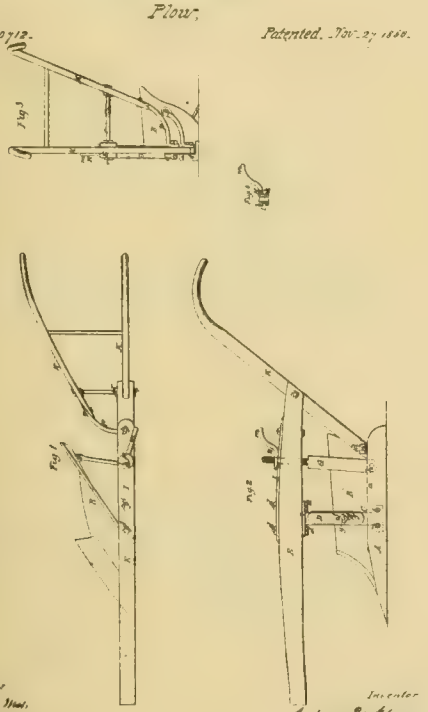
Inventor

Walter Warner

A. Benkelmann.

Plow.

No. 30,712. Patented Nov. 27, 1860.



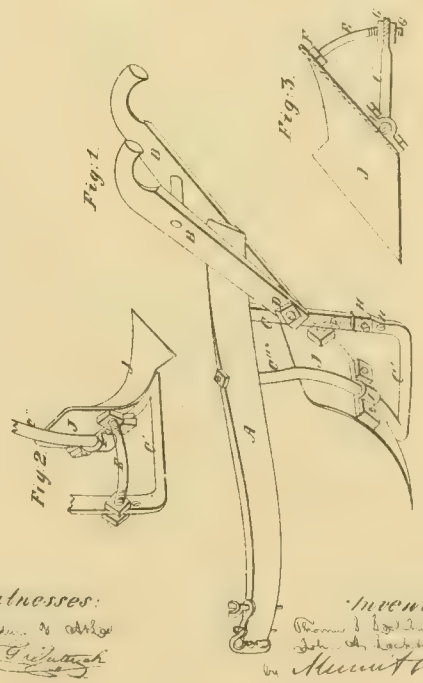
Witnesses

Inventor

T. S. & J. F. Lockhart.

Plow.

No. 30,740. Patented Nov. 27, 1860.



Witnesses:

Inventors

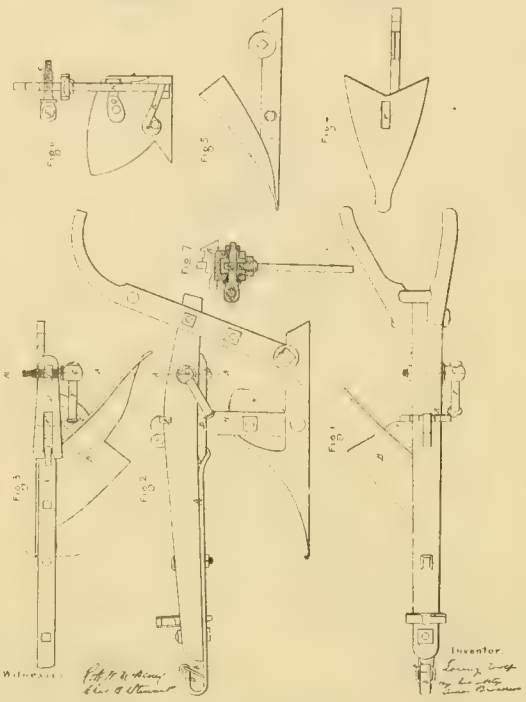
by Munn & Co

L. May.

Plow.

No. 152 31,156

Patented Jan. 16, 1861.



Witnesses

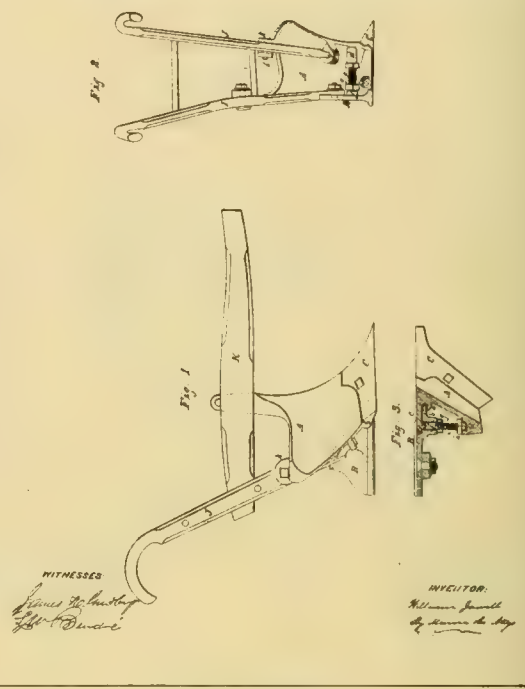
Inventor.

W. Jarrell.

Plow.

No. 168 31,072

Patented Jan. 22, 1861.



WITNESSES

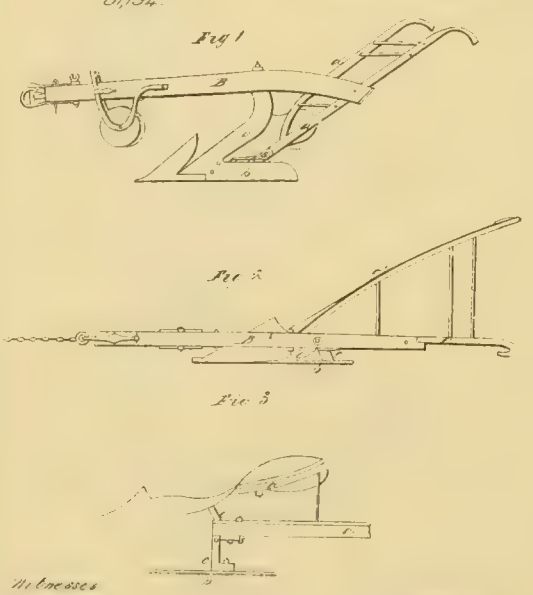
INVENTOR:

J. Sweitzer.

Plow.

No. 190 31,194.

Patented Jan. 22, 1861.



Witnesses

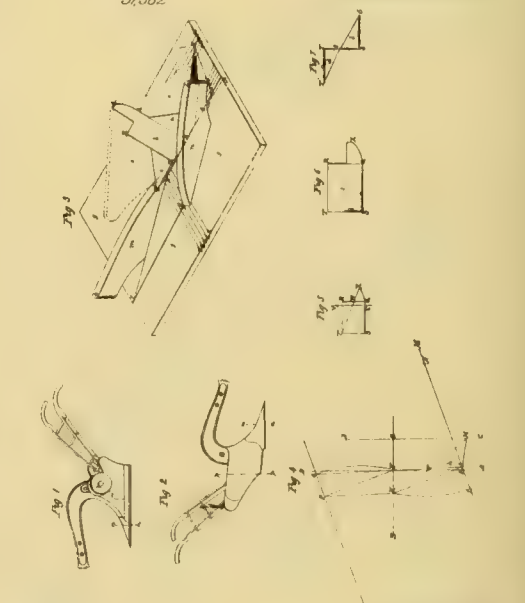
Inventor

E. Vaughn.

Plow.

No. 358 31,362

Patented Feb. 5, 1861.



Witnesses

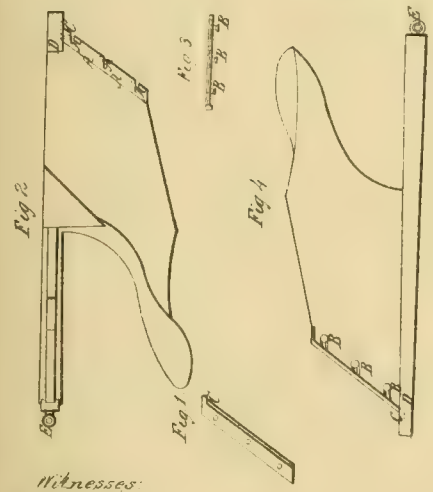
Inventor

H. D. Rogers,

Plow.

No. 403.
31,407.

Patented Feb. 12. 1861.



Witnesses:
Geo. W. Schuyler
Theodore B. Rogers

Inventor.
Henry D. Rogers

Rulofson & De Bonne.

Plow.

No. 6773.
31,677.

Patented Mar. 12. 1861

Witnesses.
John J. Bonne
D. L. Hugh.

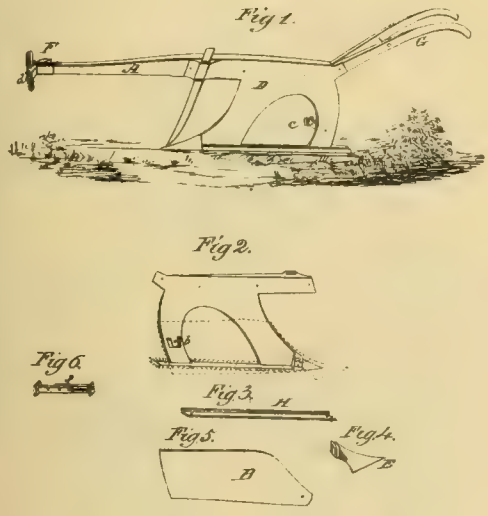
Inventors.
Isaac Rulofson
Daniel De Bonne.

Parlett & Thompson.

Plow.

No. 899.
31,903.

Patented Apr. 2, 1861.



Witness
E. P. Arnell

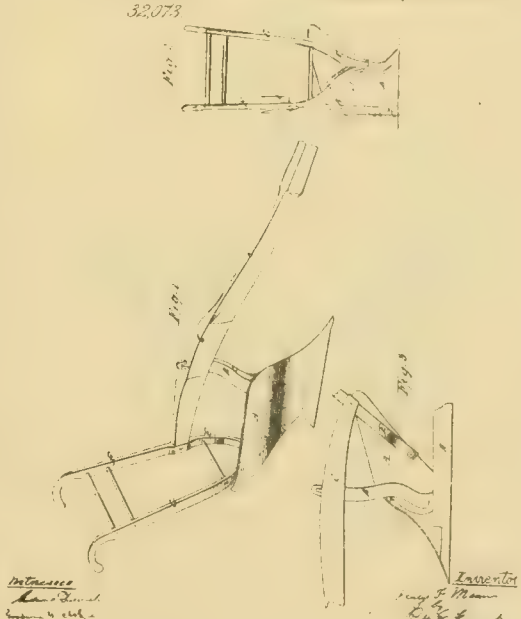
Inventors
John A. Parlett
Jeremiah Thompson.

H. F. [illegible]

Plow

No. 1069.
32,073

Patented [illegible]



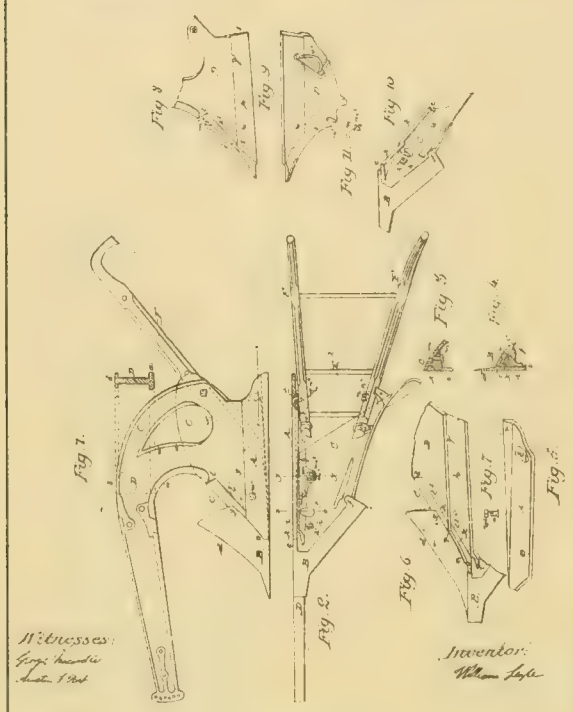
Witnesses
[illegible]

Inventor
[illegible]
Attorneys

W. LAPE. 2 Sheets—Sheet 1

Plow.

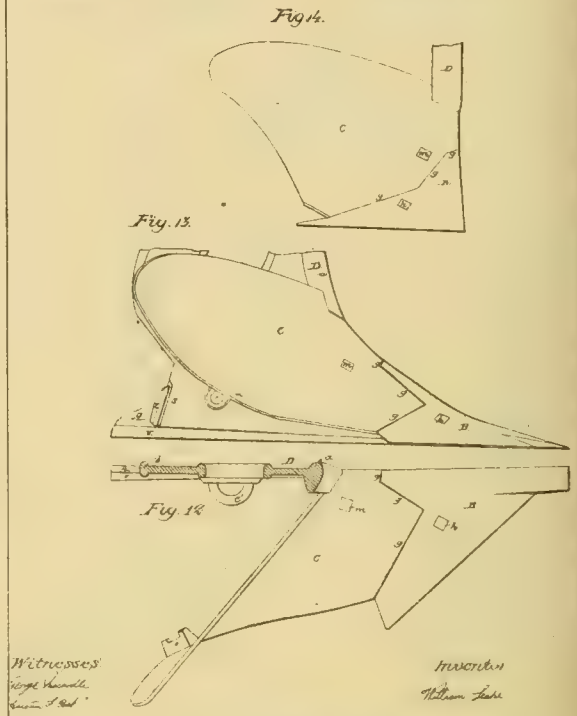
No. { 1,662, / 32,666 } Patented June 25, 1861.



W. LAPE. 2 Sheets—Sheet 2.

Plow.

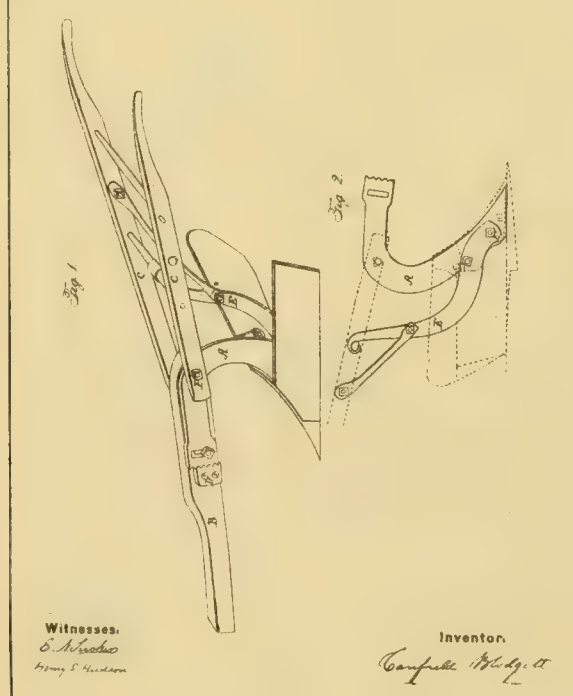
No. { 1,662, / 32,666 } Patented June 25, 1861.



C. BLODGETT.

Plow

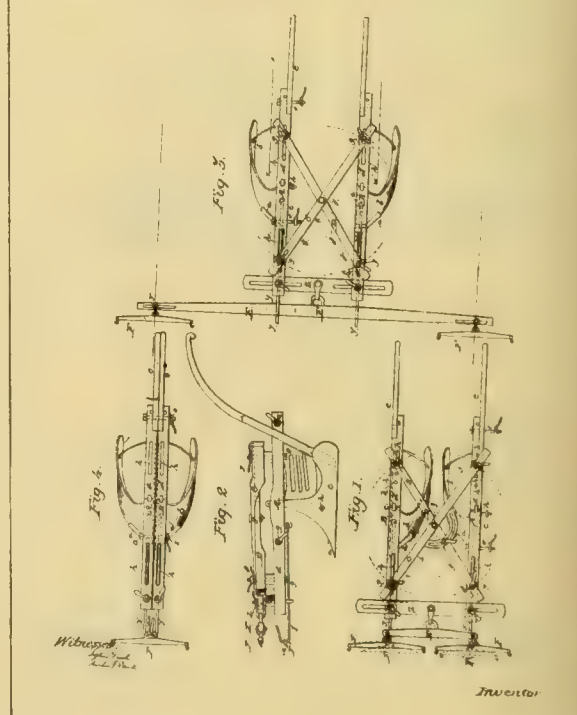
No. { 1,742, / 32,746 } Patented July 9, 1861.



H. S. CHICHESTER.

Plow.

No. { 1,872, / 32,976 } Patented Aug. 6, 1861.

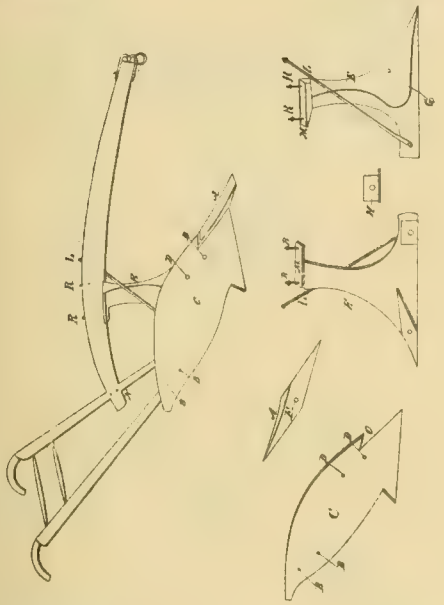


L. W. SHAFFAR.

Plow.

No. { 2,902. / 33,906. }

Patented Dec. 10, 1861.



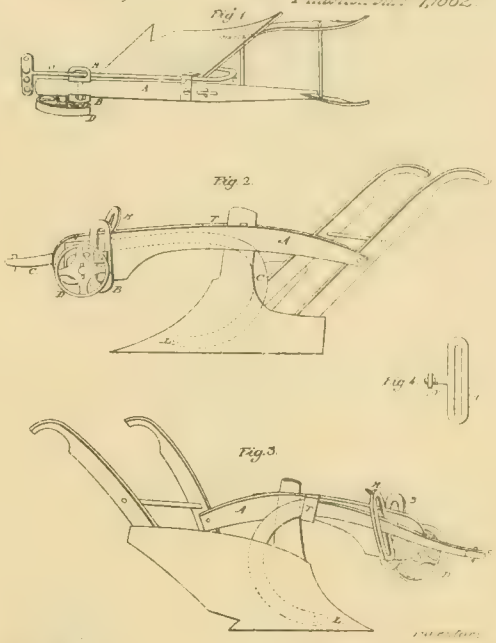
Witnesses:
N. Miller.
A. Hayes

Inventor.
L. W. Shaffar.

M. Grover.

Plow.

No. 34,092. Patented Jan. 7, 1862.



Witnesses:
J. Franklin Reigart.
Chas. H. Bay

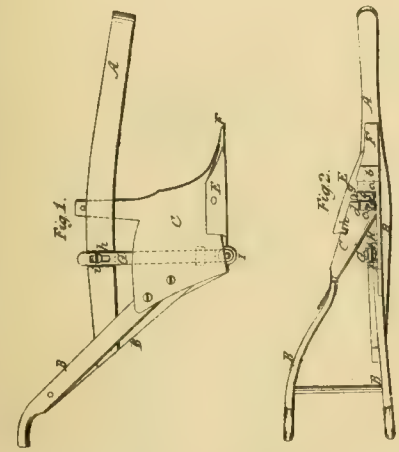
Manasseh Grover

C. BEIDLER.

Plow.

No 34 191.

Patented Jan 21, 1862.



Witnesses.
J. W. Coombs.
M. M. Slaughter.

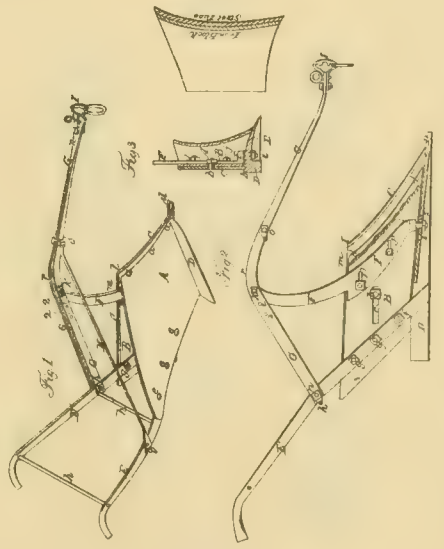
Inventor.
Charles Beidler
per Munn & Co
Attys.

W. MORRISON.

Plow.

No. 34,262.

Patented Jan 28. 1862



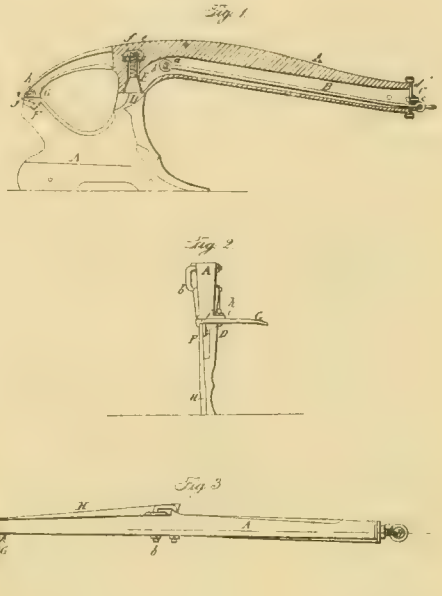
Witnesses,
Henry H. Brice

Inventor,
William Morrison
By Atty A. B. Slaughter

D. F. HUMPHREY.

Plow.

No. 36,004. Patented July 29, 1862.



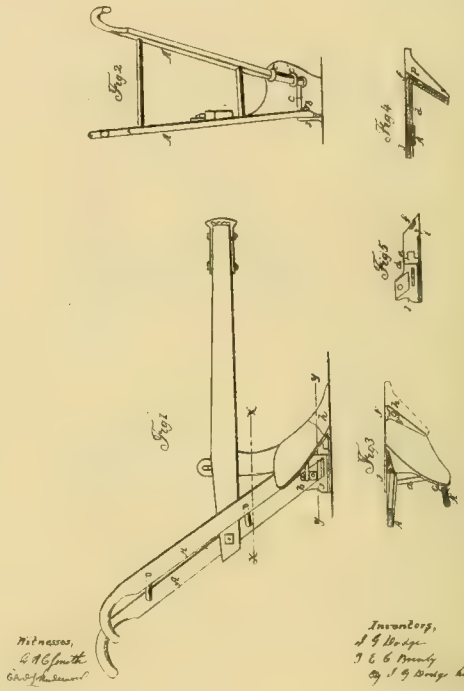
Witnesses.
G. W. Crumb.
Geo. Reed.

Inventor.
D. F. Humphrey
per Munn & Co.
Attorneys.

BRINLEY & DODGE.

Plow.

No. 36,136. Patented Aug. 12, 1862.



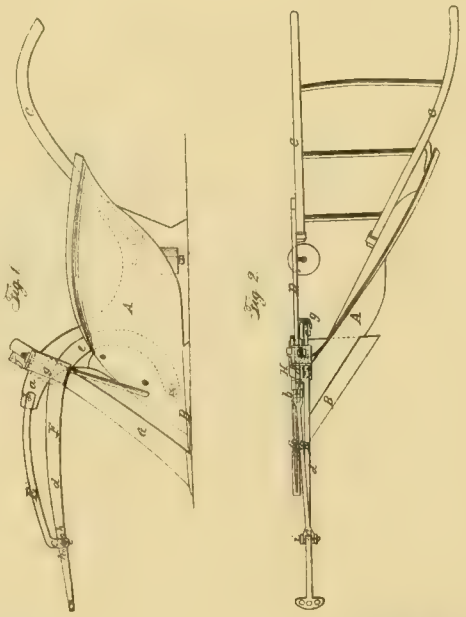
Witnesses,
G. A. Smith.
Chas. J. Jackson.

Inventors,
J. G. Dodge.
J. C. C. Brinley.
by J. G. Dodge his Atty.

W. COGGESHALL.

Plow.

No. 35,416. Patented May 27, 1862.



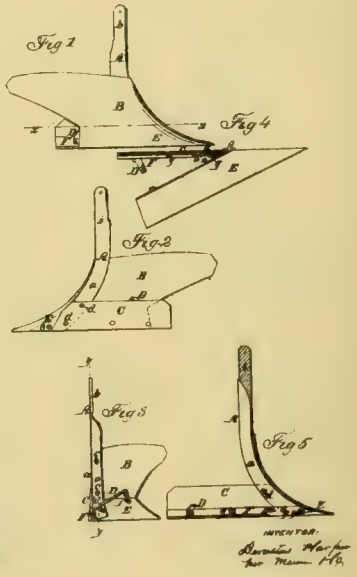
Witnesses.
G. W. Crumb.
Geo. Reed.

Inventor.
W. Coggeshall
per Munn & Co.
Attys.

D. HARPER.

Plow.

No. 36,711. Patented Oct. 21, 1862.

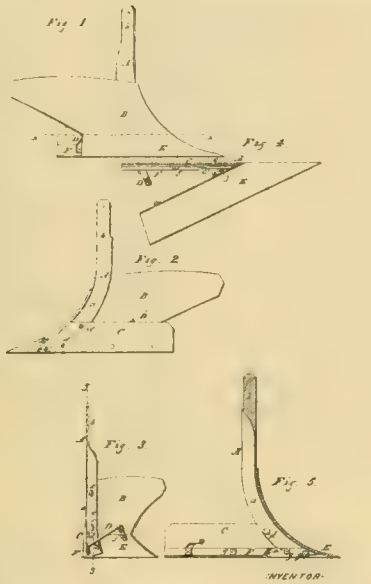


WITNESSES:
Geo. Reed.

INVENTOR:
Dorsey Harper
per Munn & Co.

I. Hayter,
Plow.

No. 1934. Reissued Aug. 2. 1864.

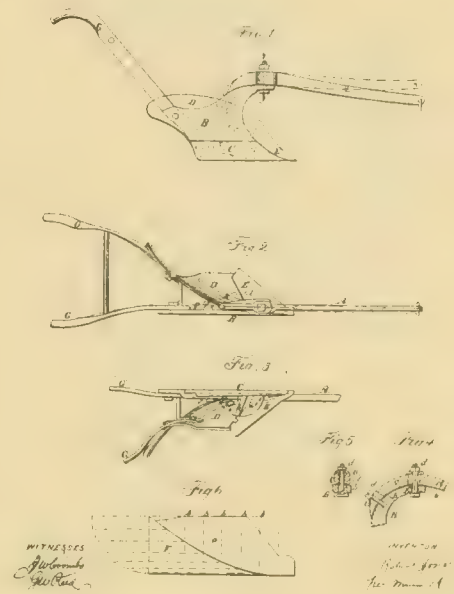


WITNESSES.

INVENTOR.

R. JONES
Plow

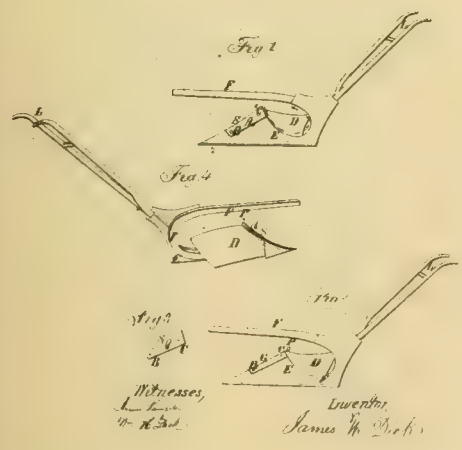
No. 37,626 Patented Feb. 10. 1863



WITNESSES

J. M. DICK.
Plow.

No. 37,740. Patented Feb. 24. 1863

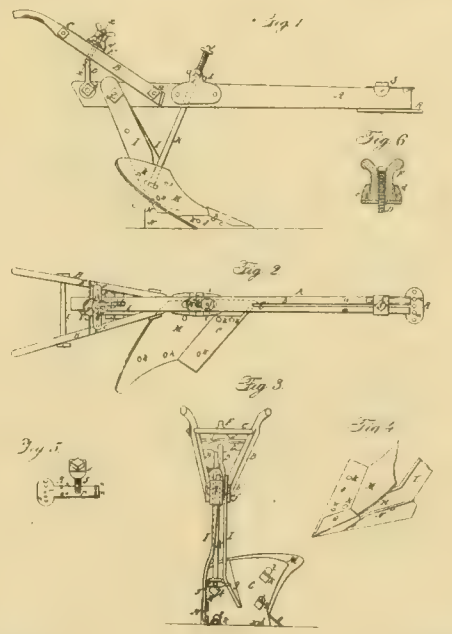


Witnesses,

Inventor,

J. HAEGE.
Plow.

No. 38,478. Patented May 12, 1863.



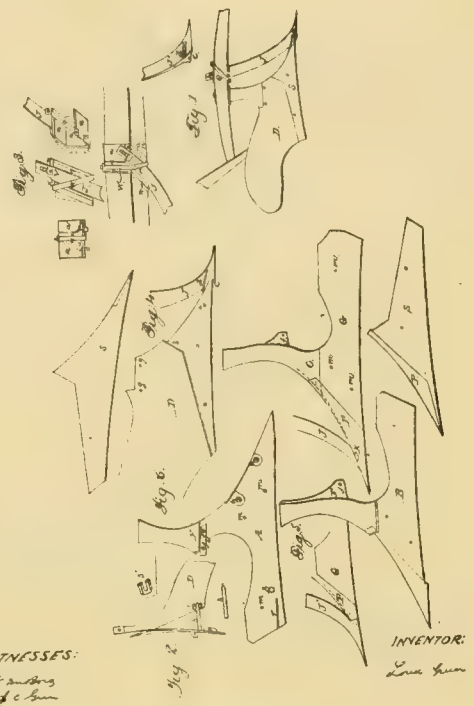
Witnesses.

Inventor.

L. GREEN.

Plow.

No. 38,581 Patented May 19, 1863.



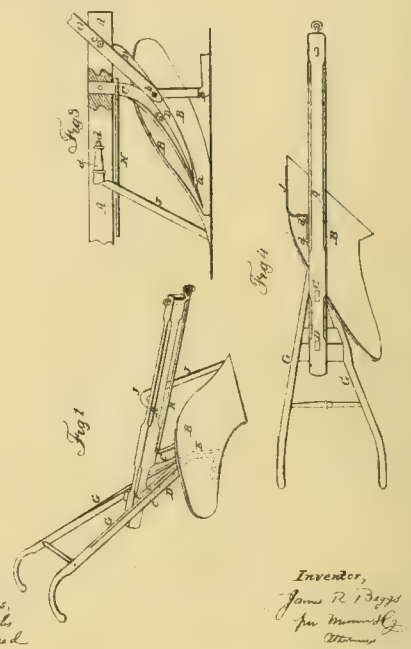
WITNESSES:

INVENTOR:

J. R. BEGGS

Plow.

No. 38,803 Patented June 9, 1863.



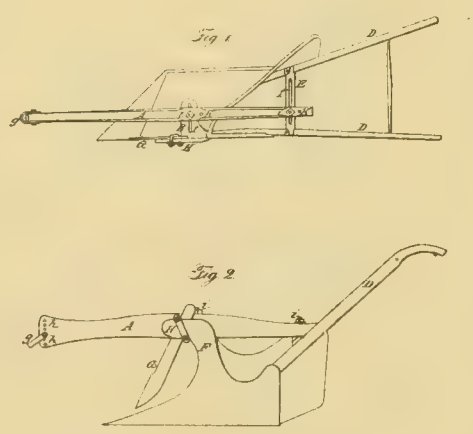
Witnesses,

Inventor,

G. M. & G. S. SALSBURY.

Plow.

No. 39,425. Patented Aug. 4, 1863.



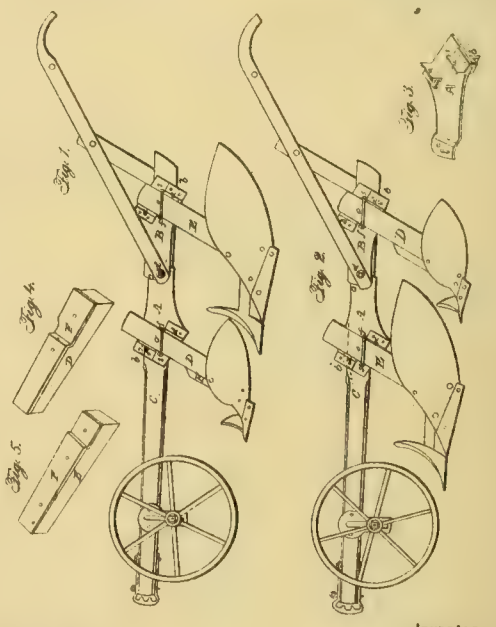
Witnesses:

Inventor:

G. W. N. YOST.

Plow.

No. 39,536. Patented Aug. 11, 1863.



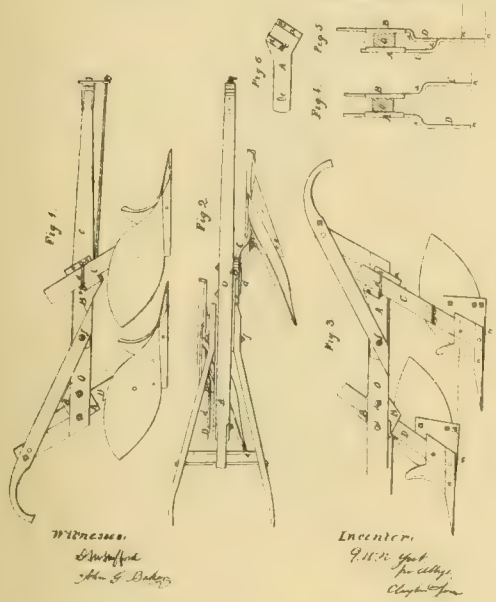
Witnesses:

Inventor.

C. W. W. Vost.

Plow

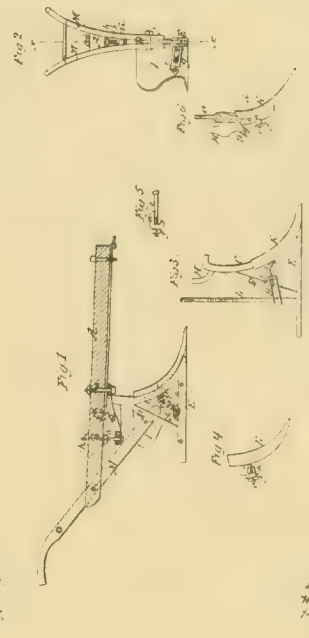
No. 39,637. Patented Aug. 11, 1863.



W. FRANK.

Plow

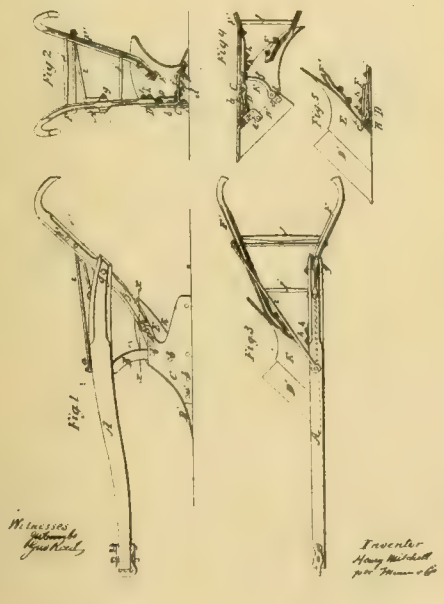
No. 39,639. Patented Aug. 25, 1863.



H. MITCHELL.

Plow

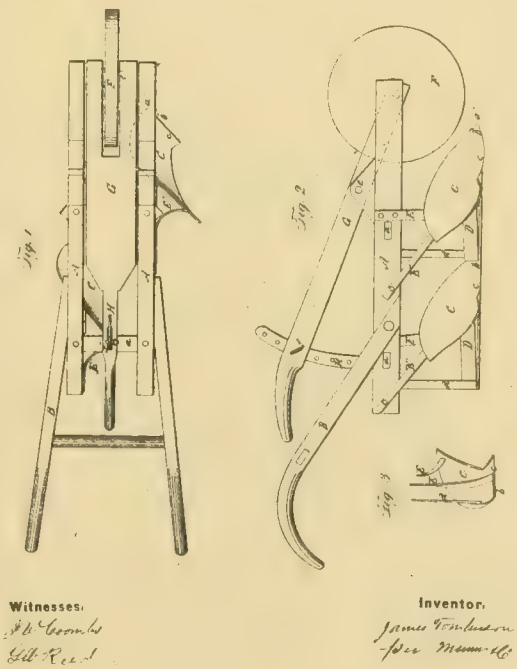
No. 39,741 Patented Sept. 1, 1863



J. TOMLINSON.

Plow.

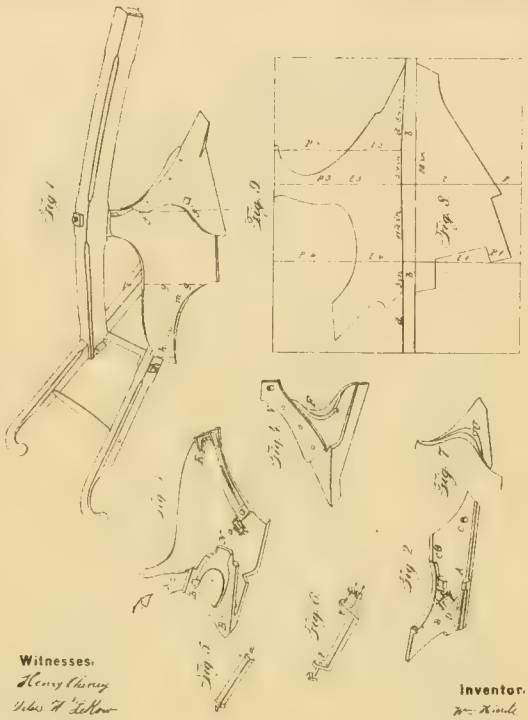
No. 41,407. Patented Jan. 26, 1864.



W. HINDS.

Plow.

No. 41,997. Patented Mar. 22, 1864.



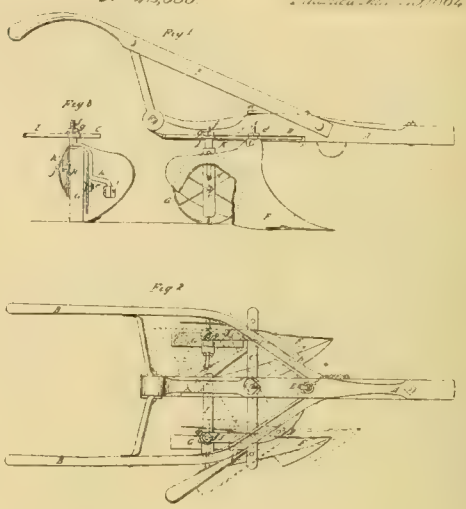
Witnesses.
Henry Olney
Wm. H. Tillson

Inventor.
Wm. Hinds

W. Henry.

Plow

No. 42,086. Patented Mar. 29, 1864.



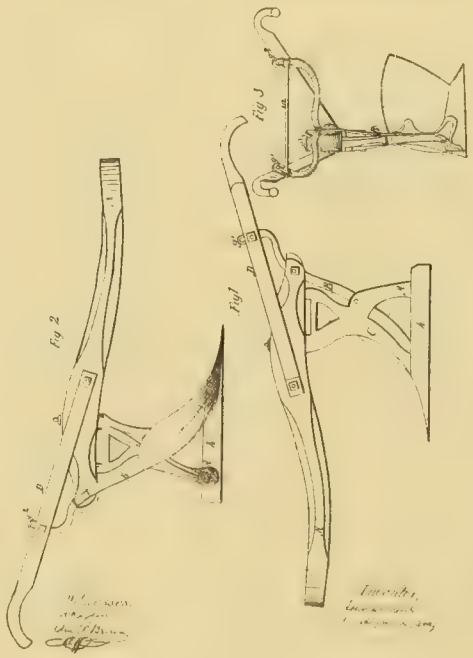
Witnesses.
Geo. Robertson
Geo. Reid

Inventor.
Wm. Henry
per Wm. Wood

J. Pierson.

Plow.

No. 43,978. Patented Aug. 30, 1864.



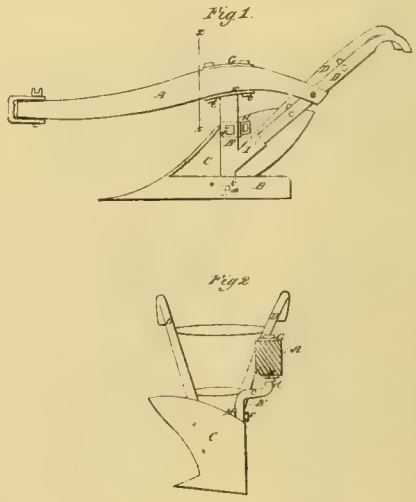
Witnesses.
[illegible]

Inventor.
[illegible]

J. Pierson.

Plow

No. 44,745. Patented Oct. 18, 1864.



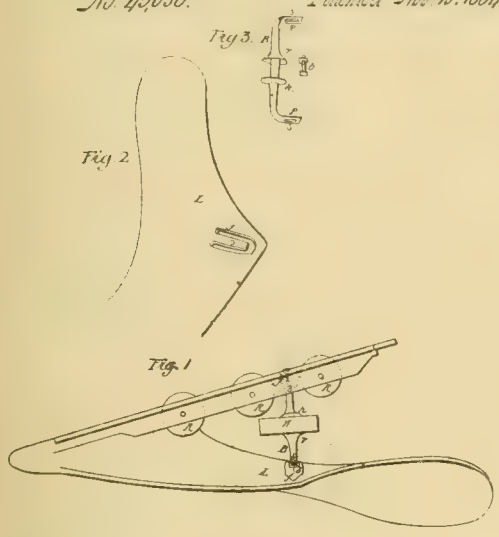
Witnesses.
G. G. Roseff
Henry Ames.

Inventor
Joshua Pierson
per Munn & Co.

L. Green,

Plow.

No. 45,036. Patented Nov. 15. 1864.



Witnesses
H. D. Eastabrook
L. C. Gunn

Inventor
Louis Green

E. Ball

Plow

No. 46,321. Patented Feb. 14 1865.

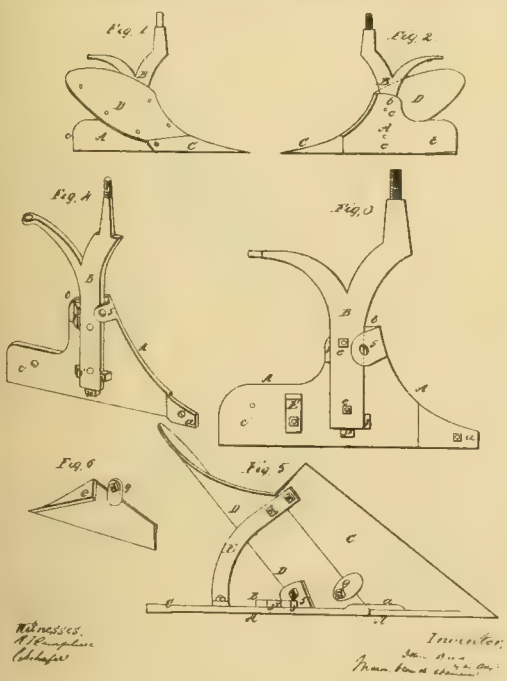
Witnesses
Geo. Gersch
Wm. Francis

Inventor
E. Ball
per Munn & Co.
Attys.

J. Deere.

Plow.

No. 46,454. Patented Feb. 21, 1865.



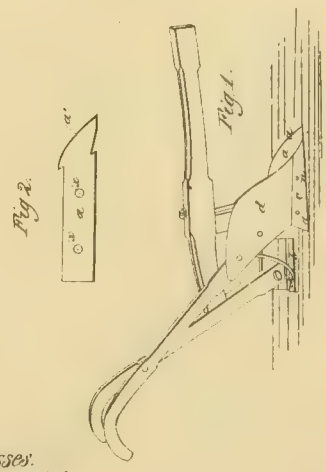
Witnesses.
W. Hamplin
Philadelphia

Inventor.
John Deere
Moline Ill. & Chicago Ill.

N. Platt,

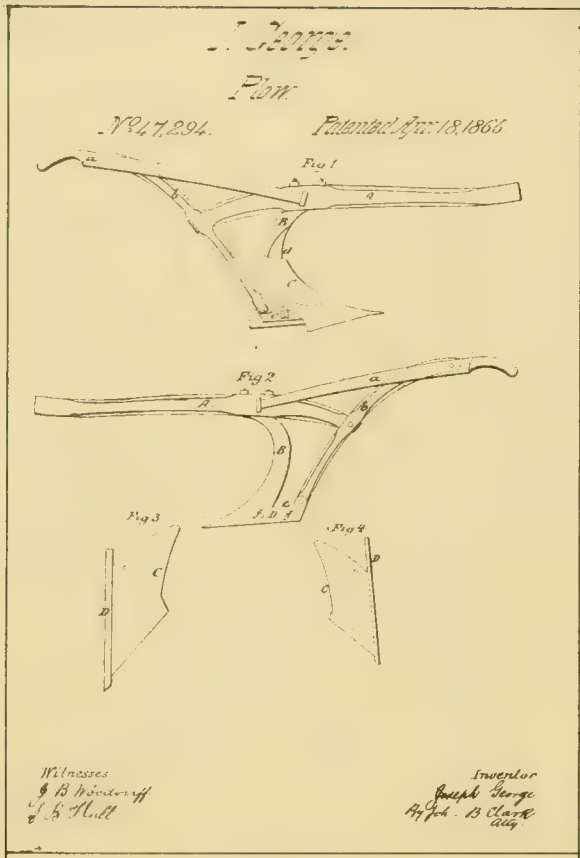
Plow.

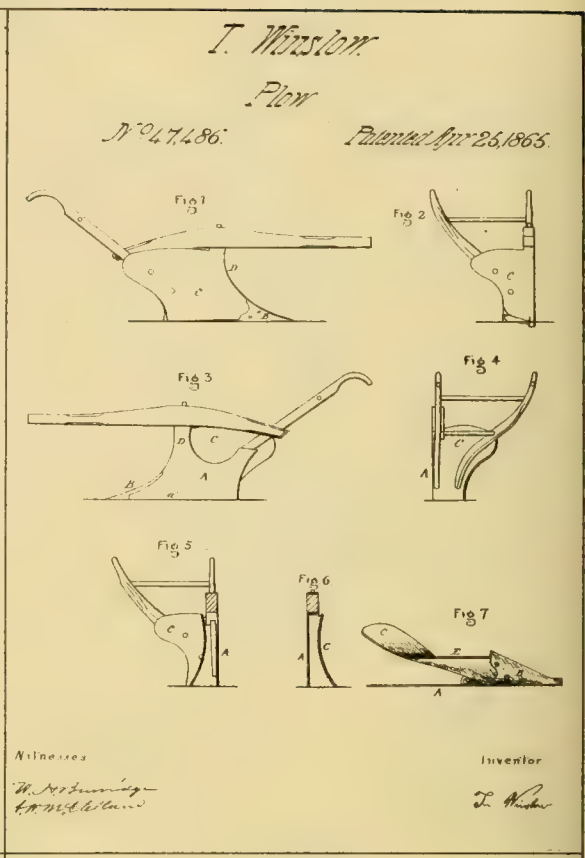
No. 46,937. Patented Nov. 21 1865.

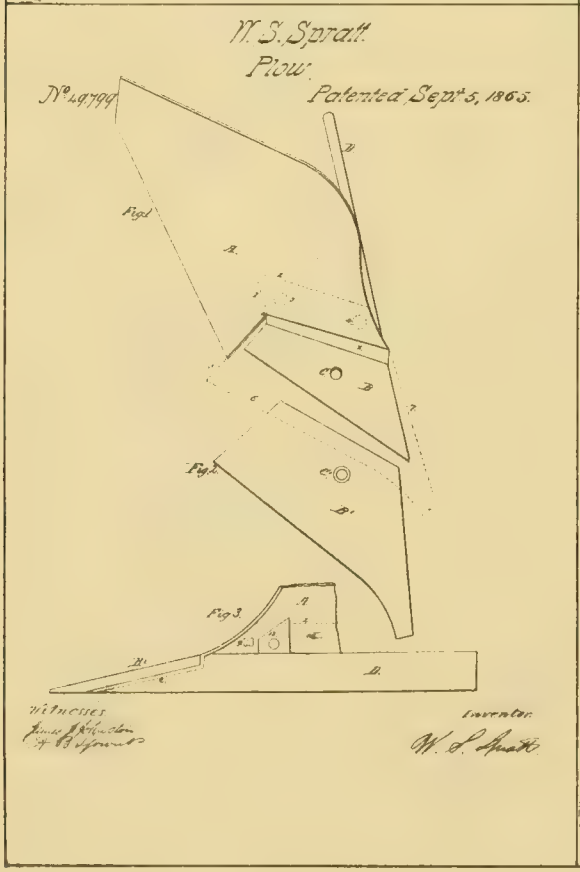


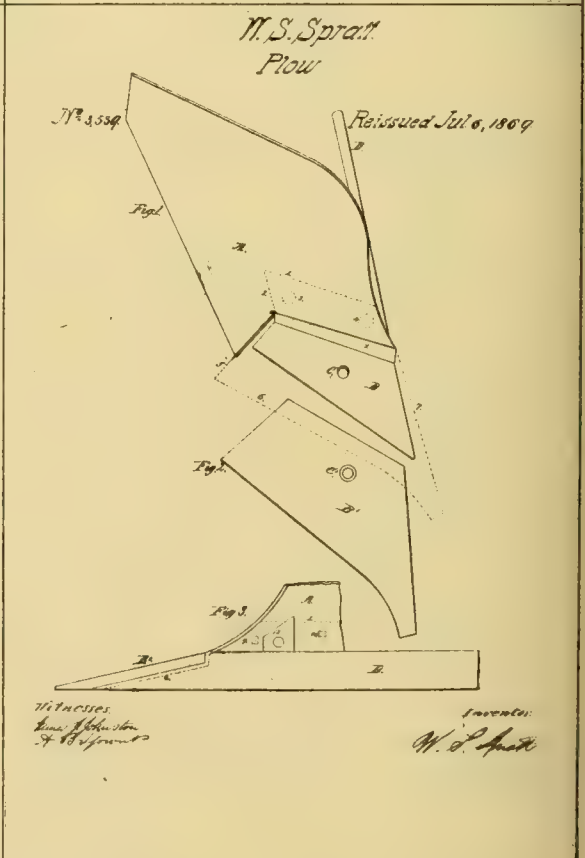
Witnesses.
Wm. Steendorph.
H. Wagner.

Inventor.
Norman Platt


J. George.
Plow.
No. 47,294.
Patented Apr. 18, 1865
Fig 1
Fig 2
Fig 3
Fig 4
Witnesses
Inventor
Joseph George
By Jos. B. Clark
Atty.

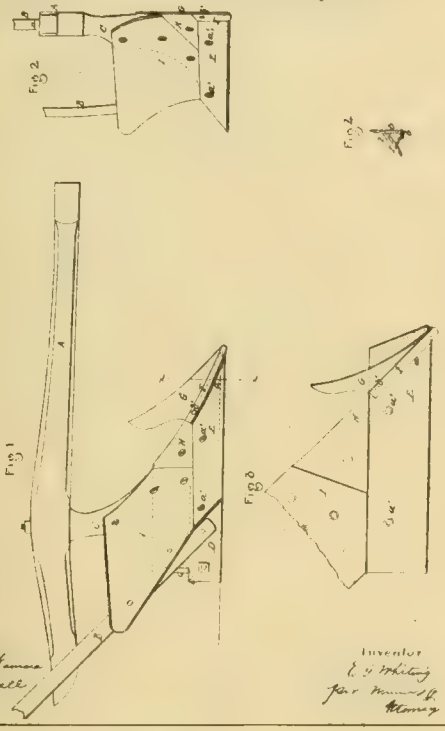

T. Winslow.
Plow
No. 47,486.
Patented Apr. 25, 1865.
Fig 1
Fig 2
Fig 3
Fig 4
Fig 5
Fig 6
Fig 7
Witnesses
Inventor


W. S. Spratt.
Plow.
No. 49,799
Patented Sept. 5, 1865.
Fig 1
Fig 2
Fig 3
Witnesses
Inventor
W. S. Spratt


W. S. Spratt.
Plow
No. 3,554
Reissued Jul. 6, 1869
Fig 1
Fig 2
Fig 3
Witnesses
Inventor
W. S. Spratt

E. C. Whiting.

No. 49,816. Plow. Patented Sep. 5, 1865.



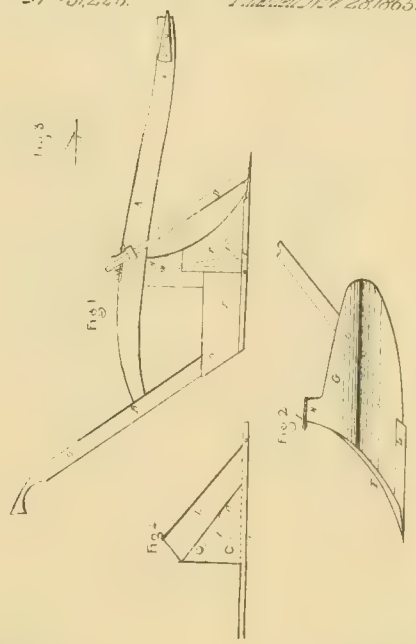
Witnesses
[illegible]
[illegible]

Inventor
E. C. Whiting
per [illegible]

[illegible]

Plow

No. 51,216. Patented Nov. 28, 1865.



Witnesses
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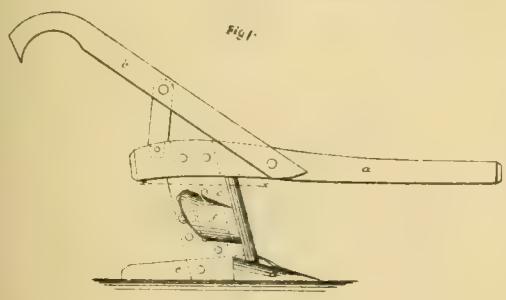
[illegible]

Inventor
[illegible]

J. Fowler,

Plow.

No. 52,407. Patented Feb. 6, 1866.



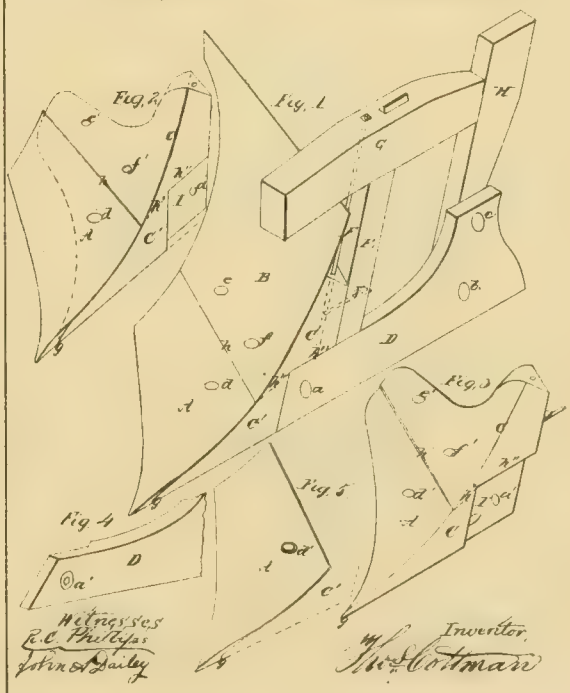
Witnesses
[illegible]

Inventor
Joseph Fowler

T. Cottman,

Plow.

No. 52,539. Patented Feb. 13, 1866.



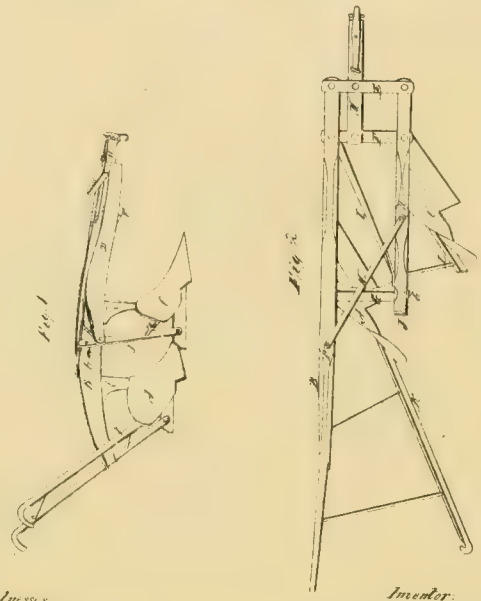
Witnesses
R. C. Phillips
John A. Bailey

Inventor
Wm. Cottman

T. A. Stansbury.

Plow.

No. 52,903. Patented Feb. 27, 1866.



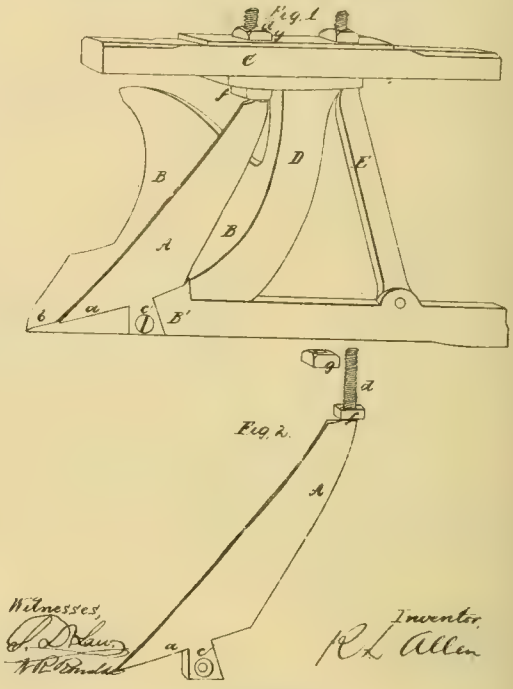
Witnesses

Inventor.
T. A. Stansbury
By Atty. A. L. Smith.

R. L. Allen.

Plow.

No. 52,948. Patented Mar. 6, 1866.



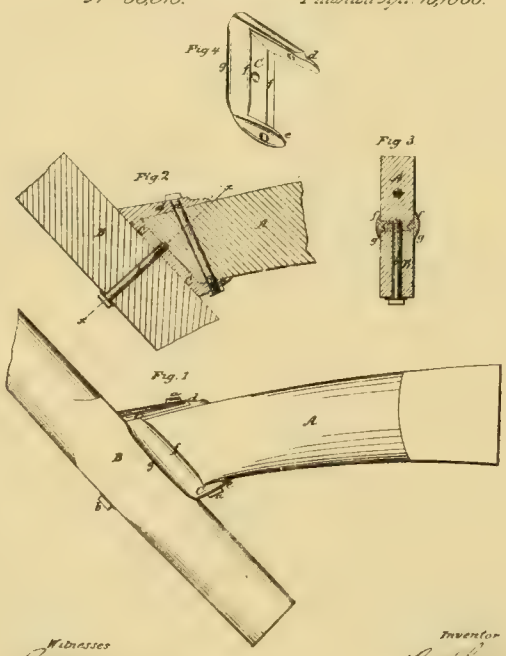
Witnesses,

Inventor,
R. L. Allen

L. Gibbs.

Plow.

No. 53,918. Patented Apr. 10, 1866.



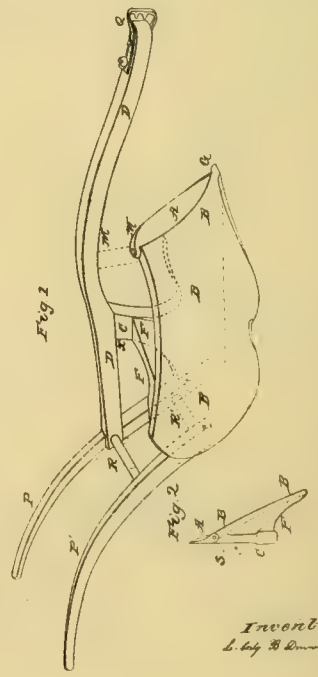
Witnesses

Inventor
Lewis Gibbs
By Atty. A. H. Stoughton

L. B. DENNETT.

Plow.

No. 55,069. Patented May 29, 1866.



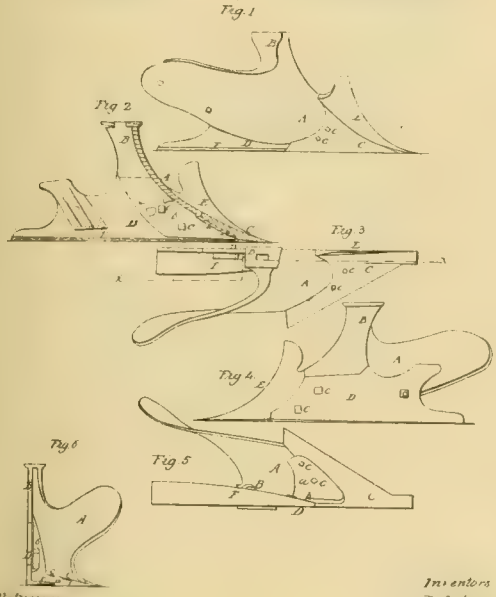
Witnesses

Inventor
L. B. Dennett

Gilson & Martin

Plow.

No. 55,279 Patented Jun 5, 1866.



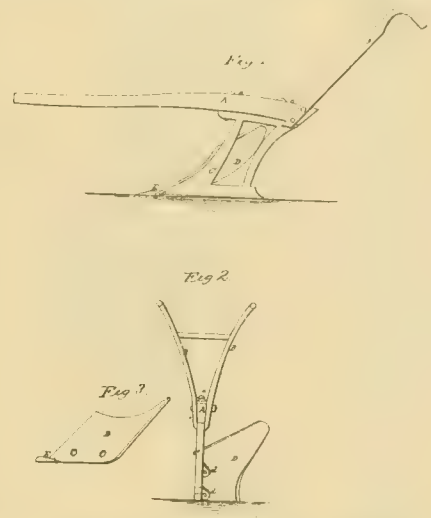
Witnesses
H. E. Turner
Geo. Ford

Inventors
J. Gilson
J. Martin
By Munn & Co.
Attorneys

T. E. C. Brinly

Plow.

No. 55,999. Patented July 3, 1866.



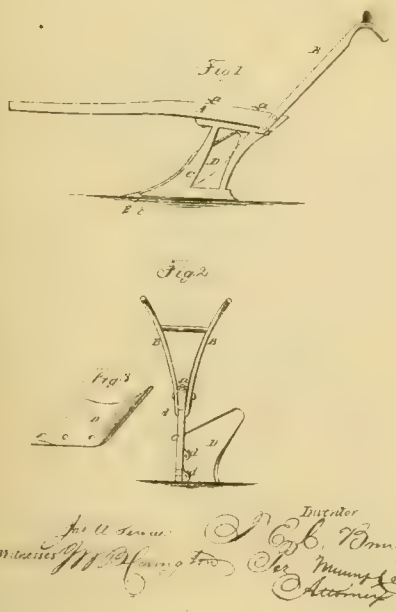
Witnesses
Jas. A. Tenney
W. H. Livingston

Inventor
T. E. C. Brinly
Per Munn & Co.
Attorneys

T. E. C. BRINLY

Plow.

No. 2,726 Reissued Aug 13, 1867



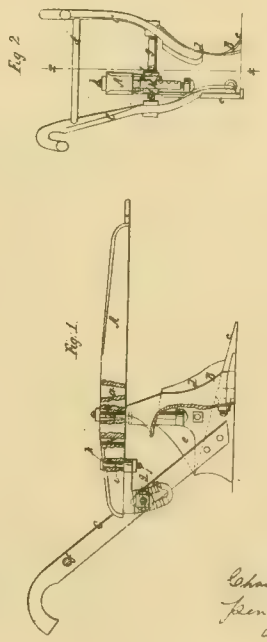
Witnesses
Jas. A. Tenney
W. H. Livingston

Inventor
T. E. C. Brinly
Per Munn & Co.
Attorneys

C. Beidler.

Plow.

No. 56,350 Patented July 17, 1866.



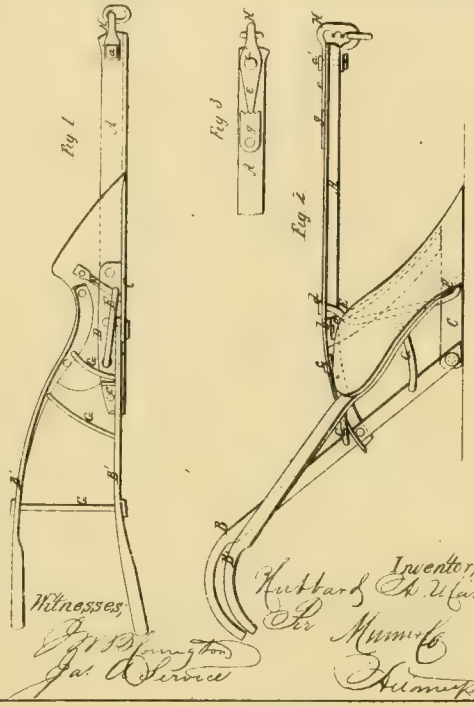
Witnesses,
Jas. A. Tenney
J. P. Hall

Inventor,
Charles Beidler
Per Munn & Co.
Attorneys

H. A. Martin,

Plow.

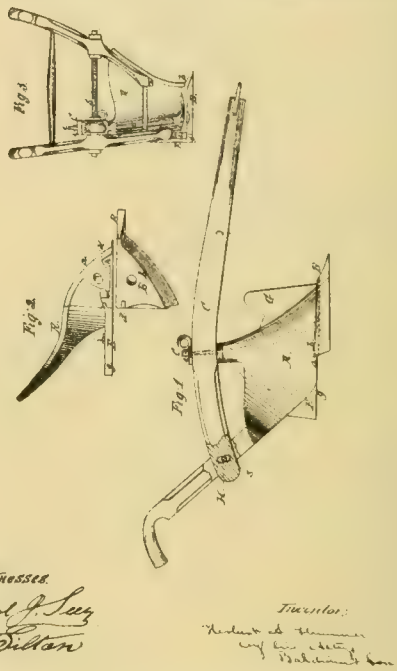
No. 56,584. Patented July 24, 1866.



H. A. Hammer.

Plow.

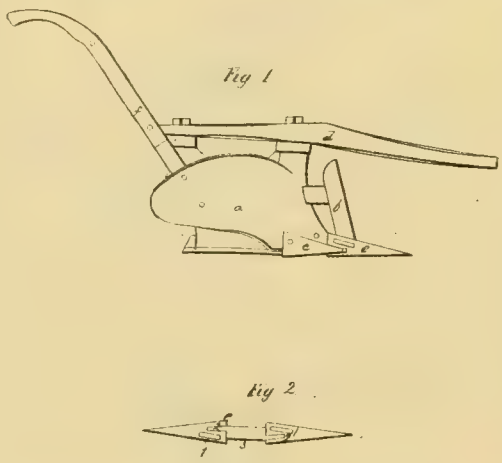
No. 57,724. Patented Sept. 4, 1866.



J. McKinley,

Plow.

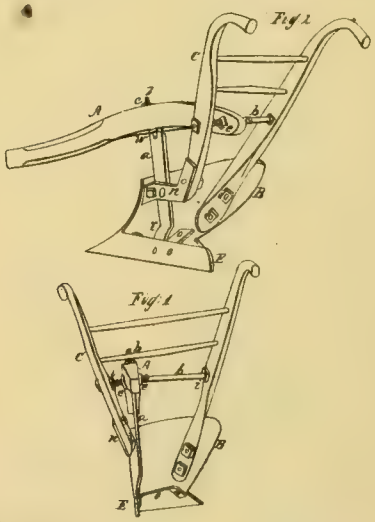
No. 57,748. Patented Sept. 4, 1866.



A. W. Stoker,

Plow.

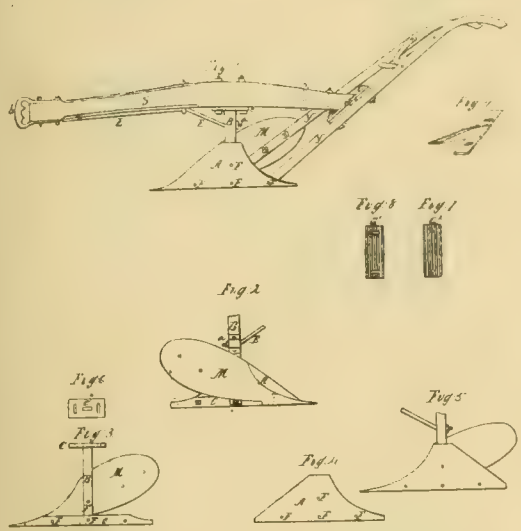
No. 57,991. Patented Sept. 11, 1866.



C. St. John.

Plow.

No. 68,911. Patented Oct. 16, 1866.



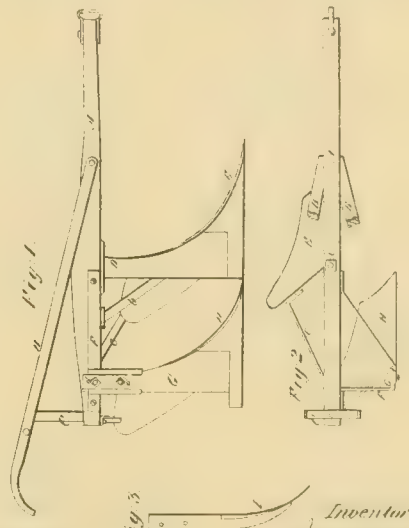
Witnesses
F. A. Jackson
Jas. A. Serre

Inventor
Carlisle St. John
Per Munn & Co.
Attorneys

J. Harris,

Plow.

No. 59,010, Patented Oct. 23. 1866.



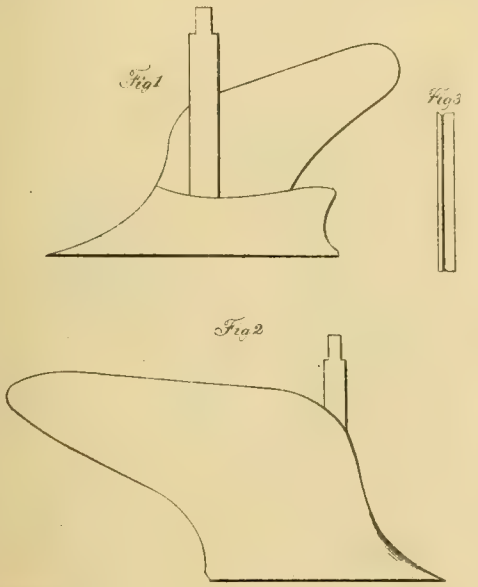
Witnesses:
F. A. McKee
W. A. Wadsworth

Inventor
James Harris
Per Munn & Co
Attorneys

C. GLIDDEN

Plow.

No 60,172. Patented Dec. 4, 1866.



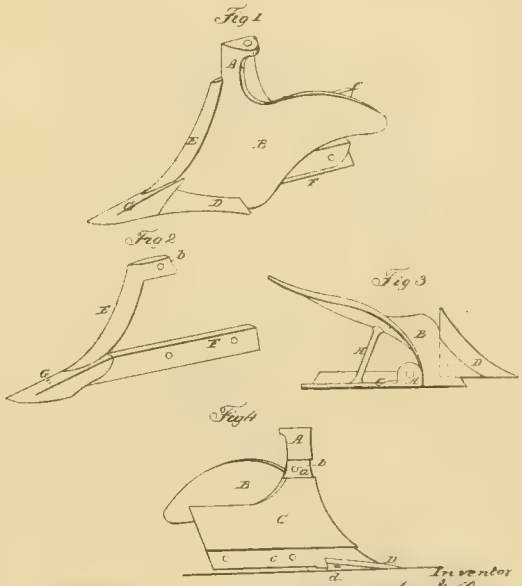
Witnesses
J. Smith
S. B. Jones

Inventor
Carlos Glidden
by Thos. W. Cornell

J. W. LEWIS.

Plow

No. 61,075 Patented Jan 8 1867



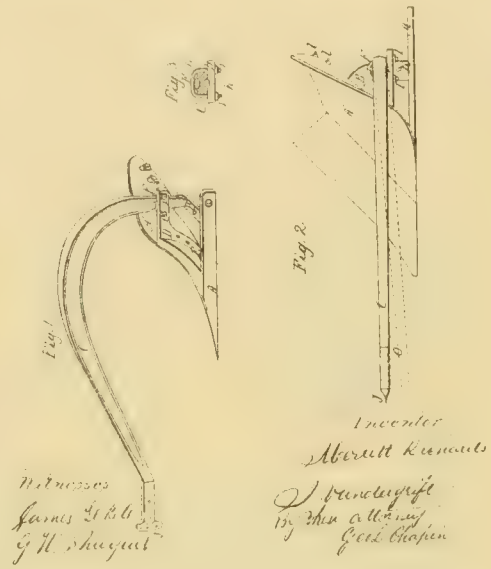
Witnesses
Edward Knight
John C. Hanson

Inventor
John W. Lewis
by Munn & Co
Attorneys

Richards & Vandergrift

Plow

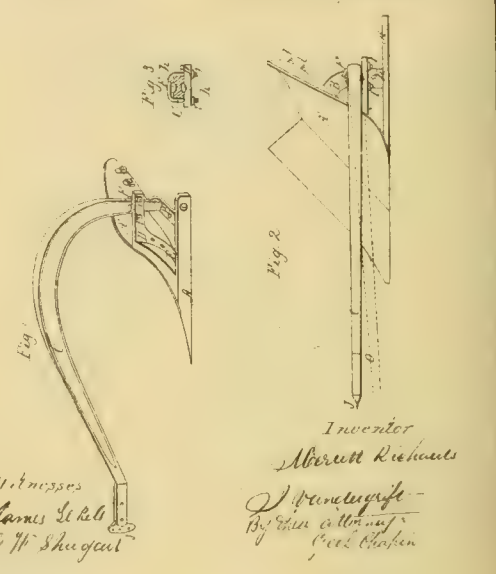
No. 61,762 Patented Feb. 6, 1867.



Richards & Vandergrift.

Plow.

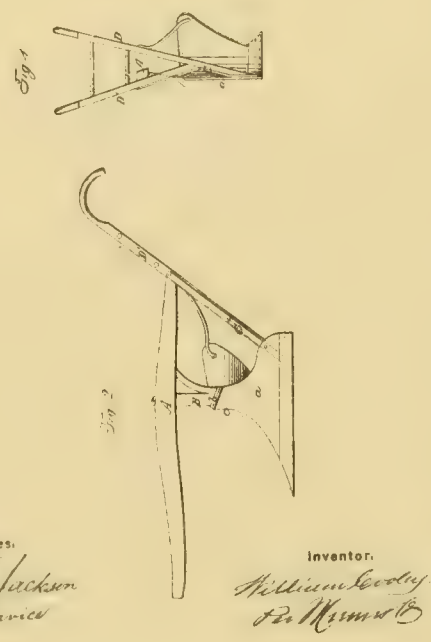
No. 3,048. Reissued Nov. 18, 1867.



W. COOLEY.

Plow.

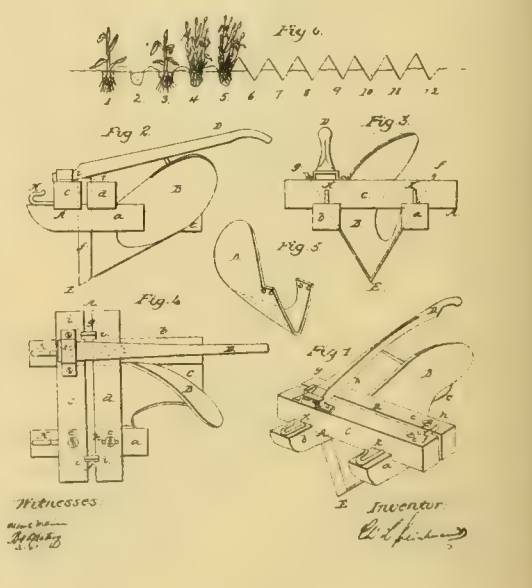
No. 61,809 Patented Feb. 5, 1867



C. L. FLEISCHMANN

Plow.

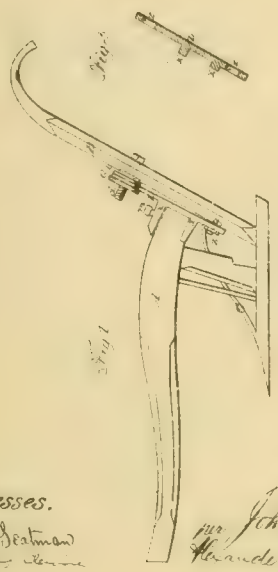
No. 62,325. Patented Feb. 26, 1867.



J. PARKER.

Plow.

No. 62,497. Patented Feb. 26. 1867.



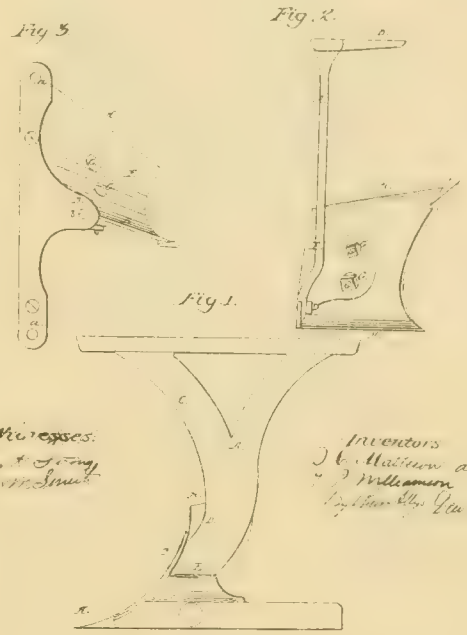
Witnesses.
A. A. Beatman
Boston Mass.

Inventor
John Parker
per Alexander & Mason

MATTESON & WILLIAMSON.

Plow.

No. 62,566. Patented Mar. 12. 1867.



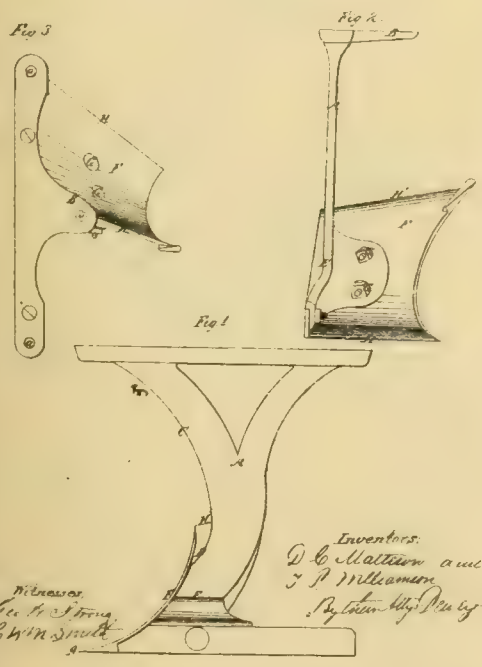
Witnesses.
Geo. H. Strong
C. Wm. Smith

Inventors
D. C. Matteson and
T. P. Williamson
By Edson Bros. Attys. Chicago

Matteson & Williamson.

Plow.

No. 3,179. Reissued Nov. 3, 1868



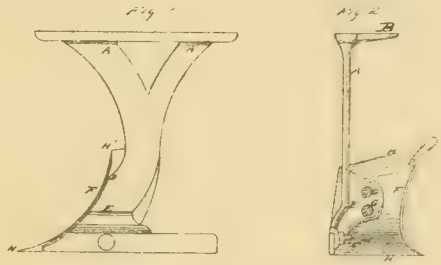
Witnesses.
Geo. H. Strong
C. Wm. Smith

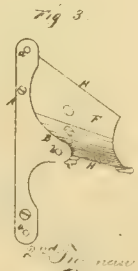
Inventors.
D. C. Matteson and
T. P. Williamson
By Edson Bros. Attys. Chicago

D. C. MATTESON & T. P. WILLIAMSON.

Plows.

No. 5,735 Reissued Jan. 20, 1874.





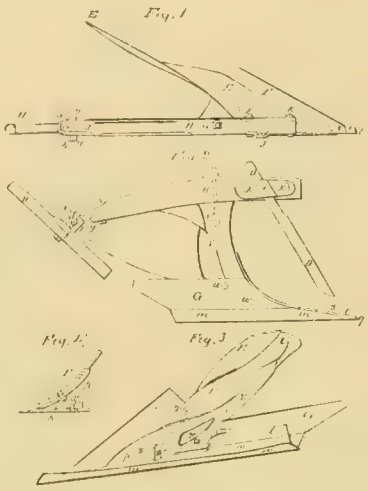
Witnesses.
John L. Byrne
C. Milton Richardson

2nd Tho. new Tom. Williamson.
1st Dan Carte Matteson.
by Dewey & Co.

L. Gibbs.

Plow.

No. 62,833. Patented Mar. 12, 1867.



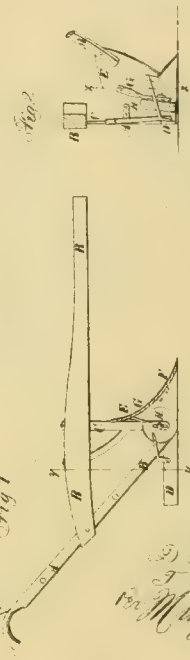
Witnesses

Inventor

PETERS & PAULY.

Plow.

No. 62,881 Patented Mar. 12, 1867.



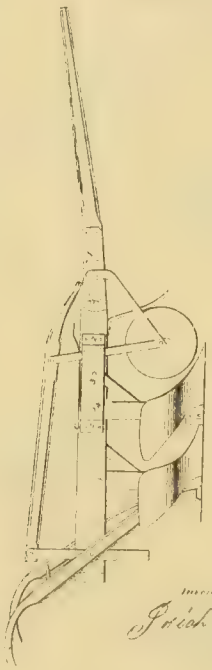
Witnesses:

Inventor

J. Fish.

Plow.

No. 63,377. Patented Apr. 2, 1867.



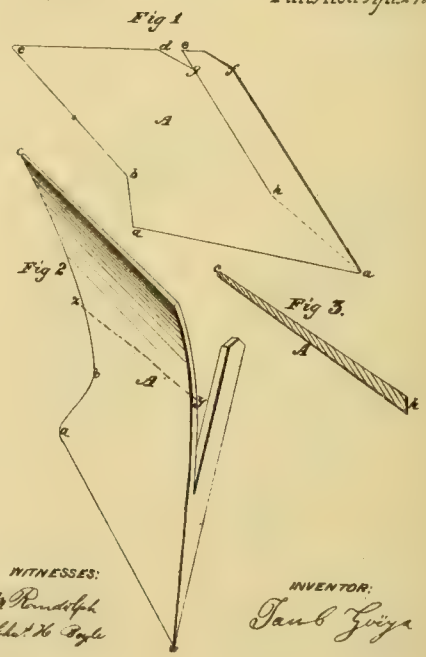
Witnesses

Inventor

J. Häge,

Plow;

No. 63,381. Patented Apr. 2, 1867.



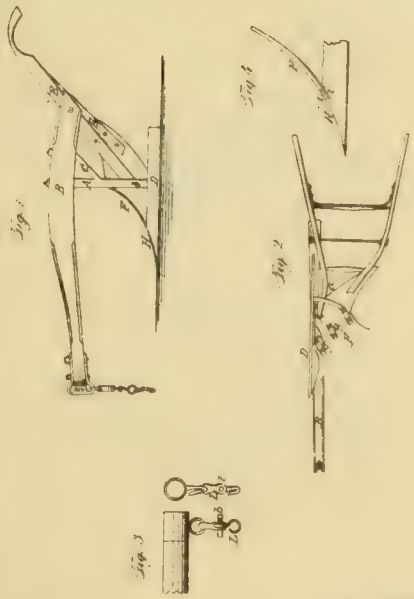
WITNESSES:

INVENTOR:

J. B. SKINNER.

Plow.

No. 64,259. Patented Apr. 30. 1867.



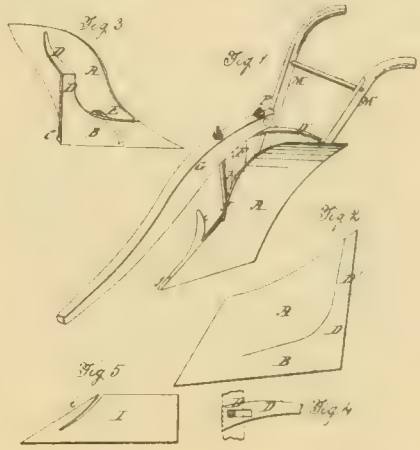
Witnesses:
J. S. Peyton
Theodore Lang

Inventor:
J. B. Skinner
by his Atty
Baldwin & Son

J. C. DUNCAN.

Plow

No. 64,647 Patented May 14, 1867



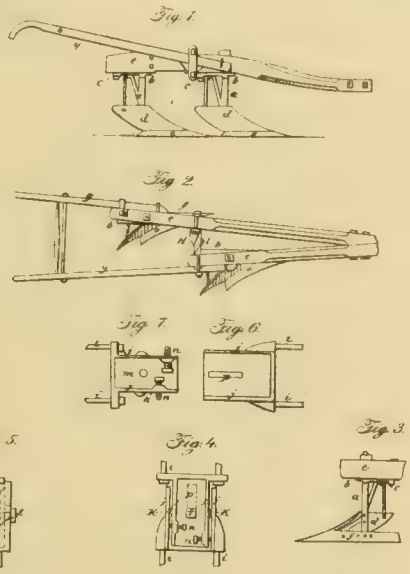
Witnesses
Chas. E. Smith
J. P. Alexander

Inventor
James C. Duncan
by Chas. E. Smith
Atty

L. O. ROCKWOOD.

Plow.

No. 64,906. Patented May 21, 1867.



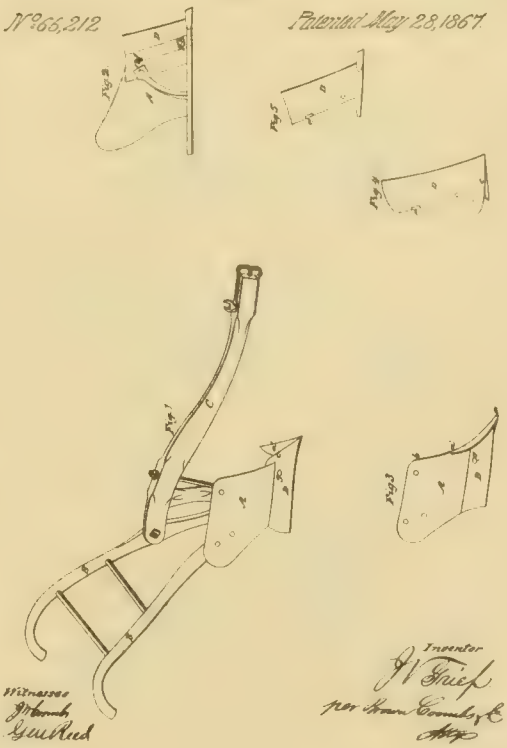
Witnesses:
E. Dorsey
Henry Hiss

Inventor.
Lorenzo Otis Rockwood

J. V. Greif.

Plow

No. 65,212 Patented May 28, 1867.



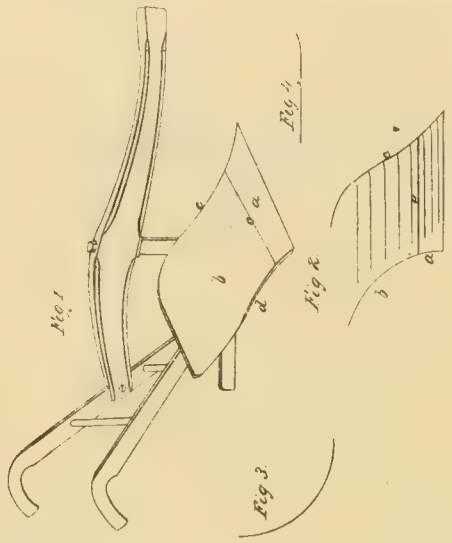
Witnesses
J. Thomas
Geo. Reed

Inventor
J. V. Greif
per Wm. Crosby & Co
Atty

W. D. Mendenhall,

Plow.

No. 65,412. Patented June 4, 1867.



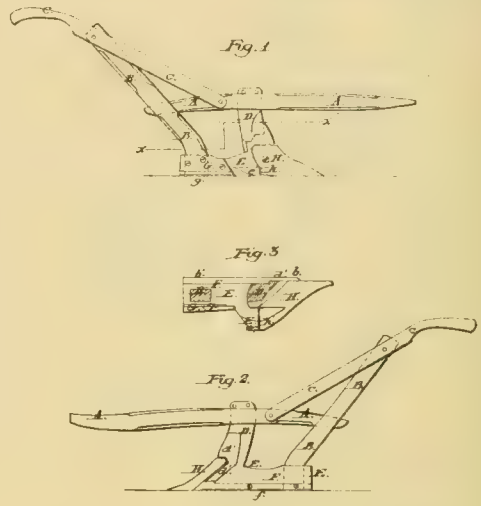
Witnesses.
W. H. Haskell
H. C. Shelhead.

Inventor,
William D. Mendenhall

R. Peet.

Plow

No. 65,426. Patented June 4, 1867.



Witnesses:
Theo. Tuschke
J. Osborne

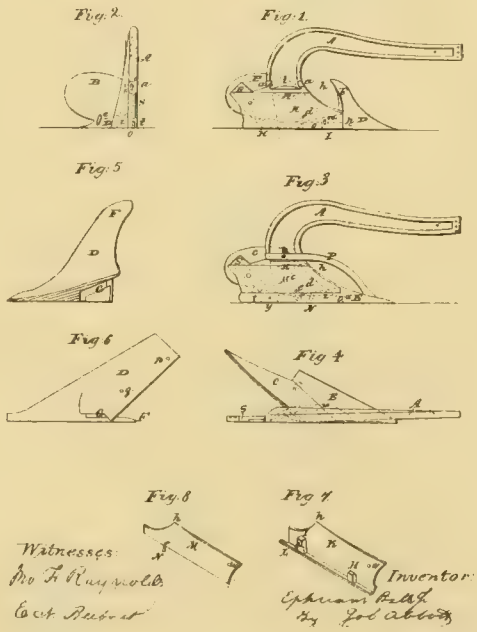
Inventor:
Rufus Peet
Per Munn & Co.
Attorneys

2 Sheets—Sheet 1.

E. BALL, Jr.

Plow.

No. 65,529. Patented June 11, 1867.



Witnesses:
Jno. F. Reynolds
Chas. Burdett

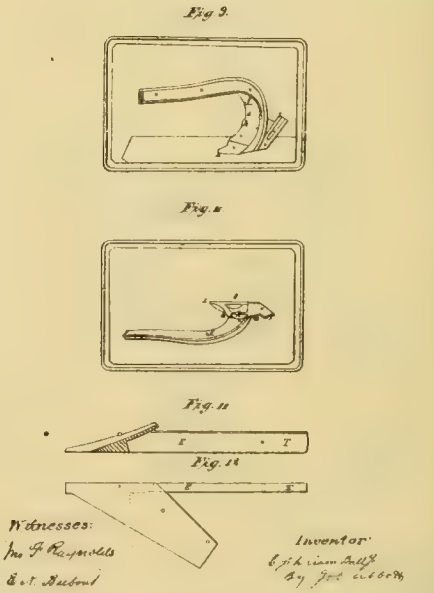
Inventor:
Ephraim Ball Jr.
By Joel Abbott

2 Sheets—Sheet 2

E. BALL, Jr.

Plow.

No. 65,529. Patented June 11, 1867.



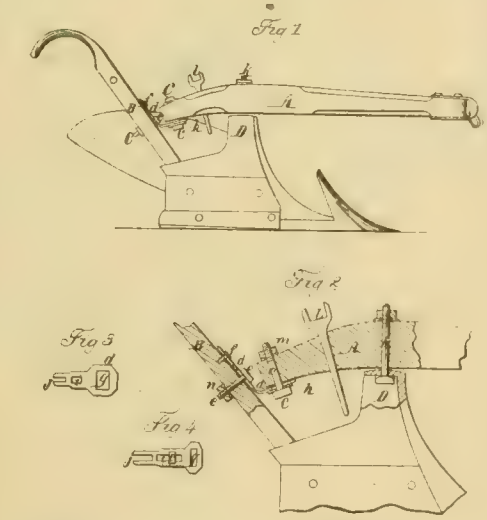
Witnesses:
Jno. F. Reynolds
Chas. Burdett

Inventor:
Ephraim Ball Jr.
By Joel Abbott

C. A. ELTON.

Plow.

No. 66,691. Patented July 16, 1867.



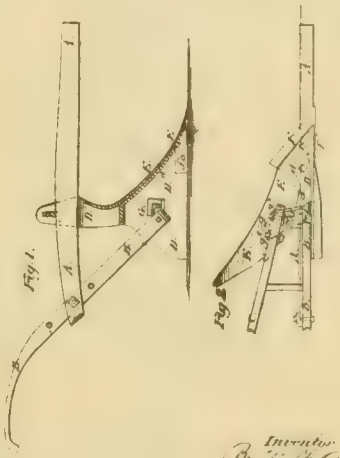
Witnesses
H. H. Young
W. B. Dorrill

Inventor
C. A. Elton
By his attorney
F. C. Robbins

B. F. Avery.

Plow.

No. 66,774. Patented July 16 1867.



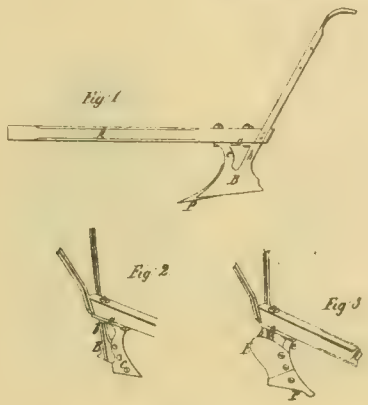
Witnesses.
J. Stevens
W. Timm

Inventor
Benj. F. Avery
for Mann & Co
Attorneys

T. E. C. Brinley.

Plow

No. 66,787. Patented Jul. 16, 1867



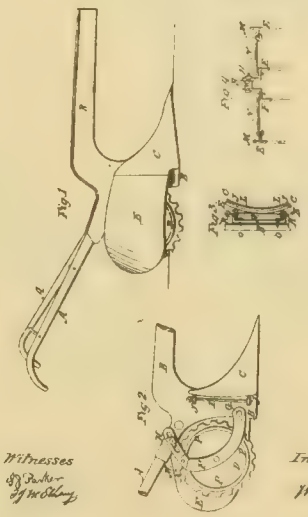
Witnesses,
P. T. Ch
Reich

Inventor,
T. E. C. Brinley
by Dowson & Mann

W. C. EVARTS.

Plow.

No. 66,958. Patented July 23, 1867



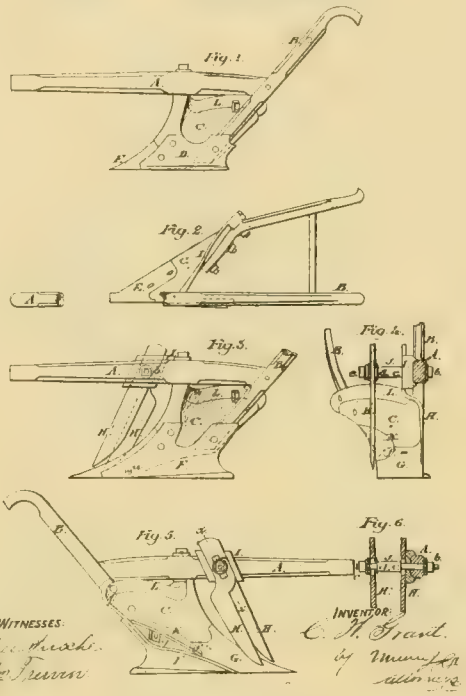
Witnesses
G. Parker
J. H. Schley

Inventor,
W. C. Evarts

J. W. Grant.

Plow.

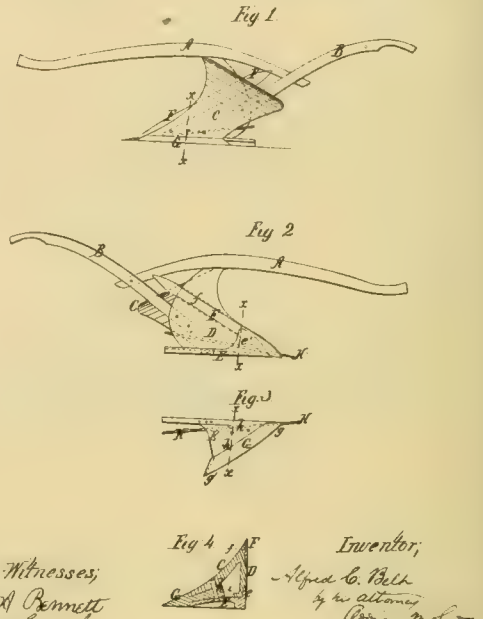
No. 67,976. Patented Aug. 20, 1867.



A. C. Belt.

Plow.

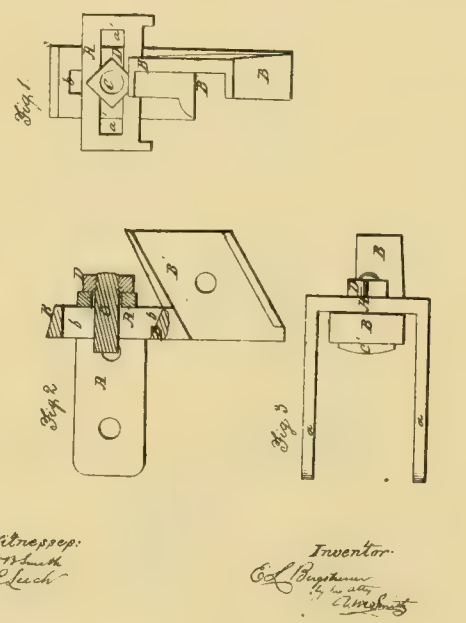
No. 68,032. Patented Aug. 27, 1867.



E. L. BERGSTRESSER. 2 Sheets—Sheet 1

Plow.

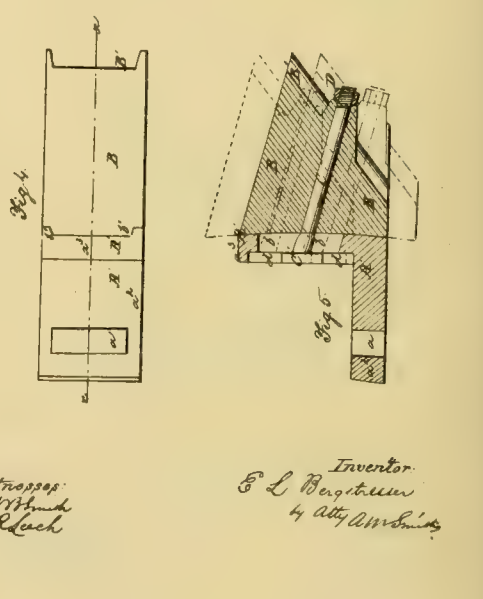
No. 68,550. Patented Sept. 3, 1867.



E. L. BERGSTRESSER. 2 Sheets—Sheet 2.

Plow.

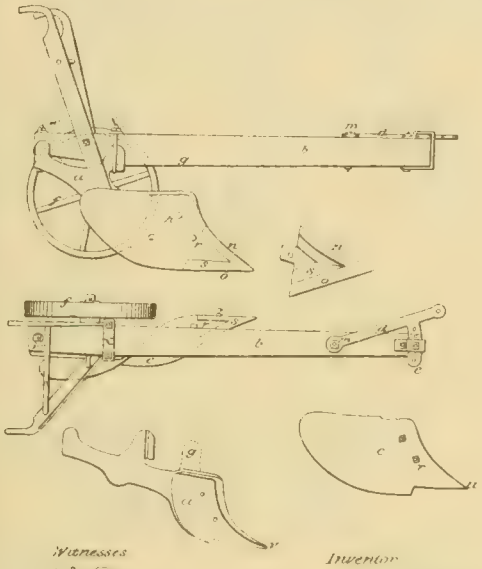
No. 68,550 Patented Sept. 3, 1867.



F. Feldhaus.

Plow.

No. 69,555. Patented Oct. 8, 1867



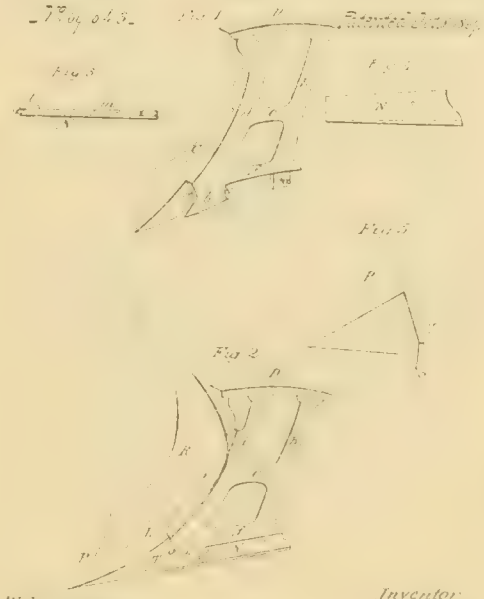
Witnesses
A. D. Evans
John F. Cook

Inventor
Ferdinand Feldhaus

J. G. Dodge

Plow.

No. 69,543. Patented Oct. 8, 1867



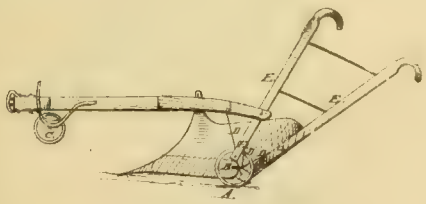
Witnesses
Geo. H. Grosvenor

Inventor
J. G. Dodge
by Dodge & Munn
Thos. Allen

L. E. Palmer,

Plow.

No. 69,834 Patented Oct. 15, 1867.



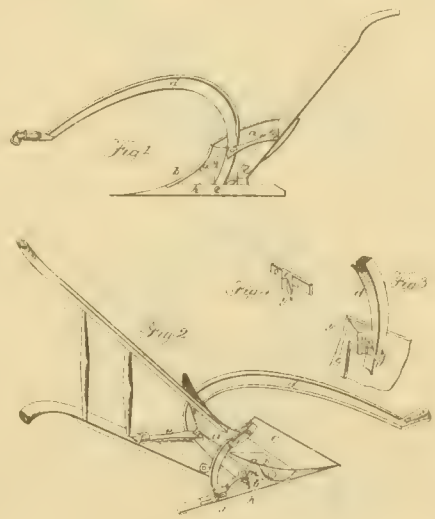
Witnesses:
Albert Holcomb
Andrew Royce

Inventor
L. E. Palmer.

J. VANDEGRIFT.

Plow.

No. 69,867. Patented Oct. 15, 1867



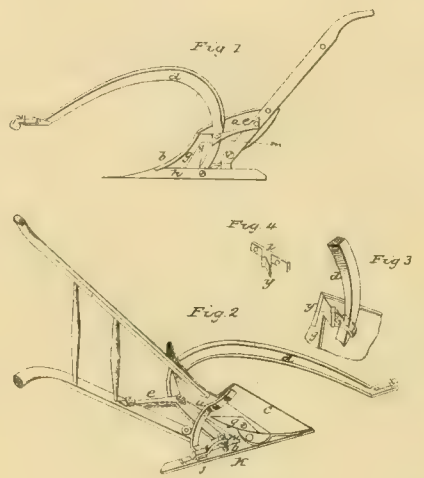
Witnesses.
S. E. Kemp
C. A. Peters

Inventor
James Vandegrift
per Munn & Co
Attorneys

J. VANDEGRIFT.

Plow.

No. 4,119. Reissued Sept. 13, 1870.



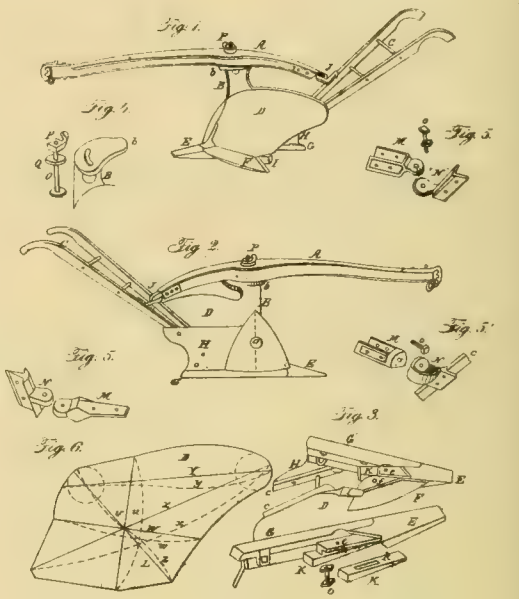
Witnesses
S. C. Homan
C. A. Pettit

Inventor
James Vandegrift
Per Munn & Co
Attorneys

G. SPIEHLMAN.

Plow.

No. 69,943. Patented Oct. 15. 1867.



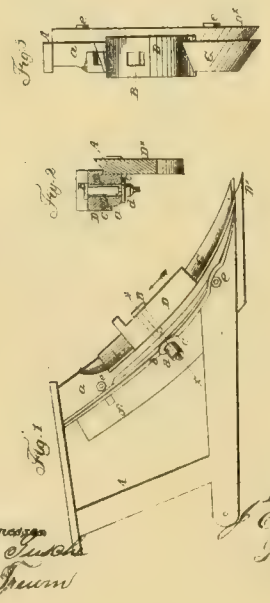
Witnesses:
Joseph B. Smith
Wm. H. Hildebrand

Inventor
George Spiehlman

J. E. JINKINS.

Plow

No. 69,999 Patented Oct 22, 1867



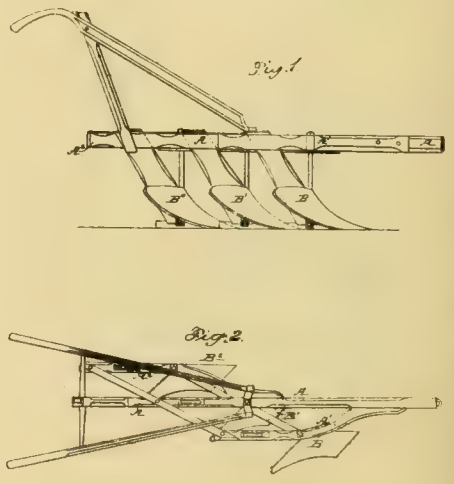
Witnesses
Thos Jenkins
Wm Brown

Inventor
J. E. Jenkins
Per Munn & Co
Attorneys

G. T. BREWER.

Plow.

No. 70,159 Patented Oct 29, 1867.



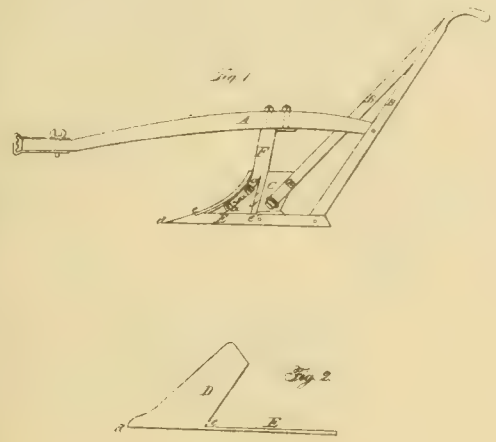
WITNESSES:
J. M. Randolph
Chas. H. Boyle

INVENTOR
G. T. Brewer
By his Atty.
M. Randolph & Co.

G. RINGEN.

Plow.

No. 70,267. Patented Oct. 29, 1867.



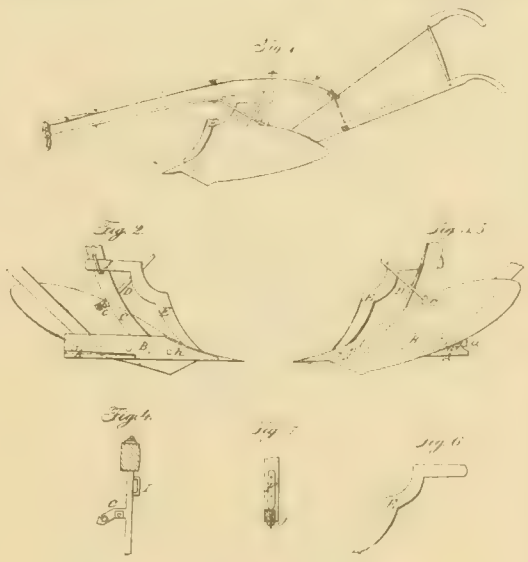
Witnesses:
Thomas Berridge
Chas. H. Boyle

Inventor.
Richard Ringen
By his Attys
J. M. Vandoph & Co.

A. SHUNK, Sr.

Plow.

No. 71,234. Patented Nov. 19, 1867.

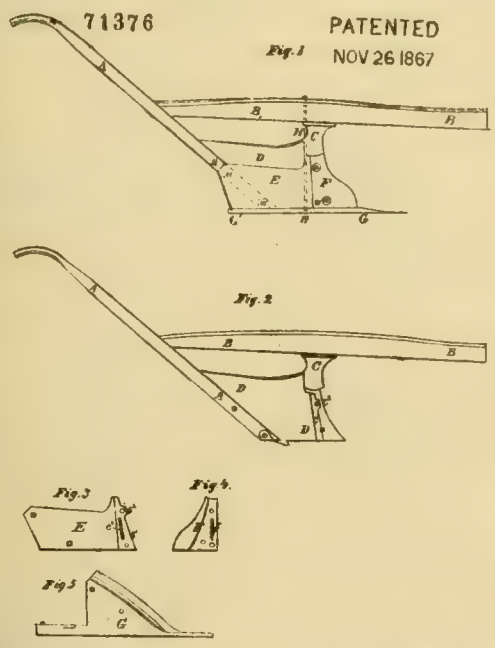


Witnesses.
S. R. Harris
J. M. Lindsey

Inventor.
A. Shunk Sen.

Charles Forsler, Plow.

71376 PATENTED NOV 26 1867

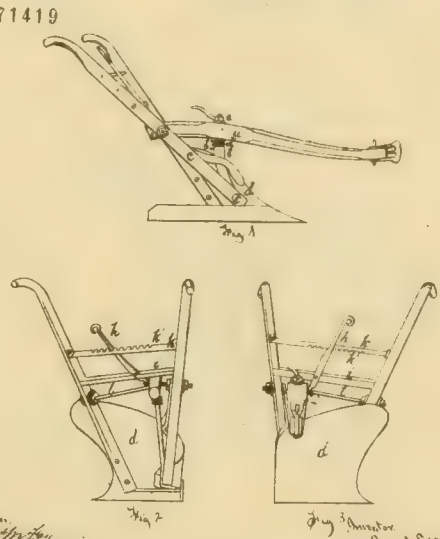


Witnesses
Theo Ensche
Ar. Seurin

Inventor
Chas Forsler
Per Munn & Co

Samuel S. Starnes PATENTED NOV 26 1867 Plow

71419



Witness.
Chas Gripfey.
H. C. Smith.

Inventor.
Samuel S. Starnes by
Brown & Beadle. Att'ys

G. MOORE,

PLOW PATENTED NOV 26 1867

71507

Fig. 1

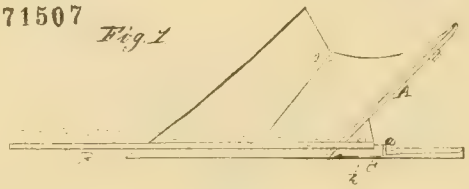


Fig. 2

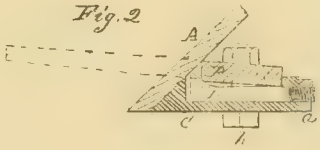
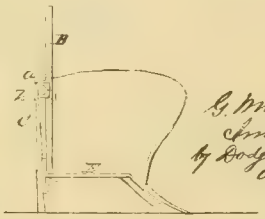


Fig. 3.



Witnesses.
P. T. Dodge
Jno. Johnson

G. Moore
Inventor.
by Dodge & Moore
Attorney

Sheet 1.
3 Shts.

G. Watt.
Plow.
No 71560 Patented Nov. 26, 1867

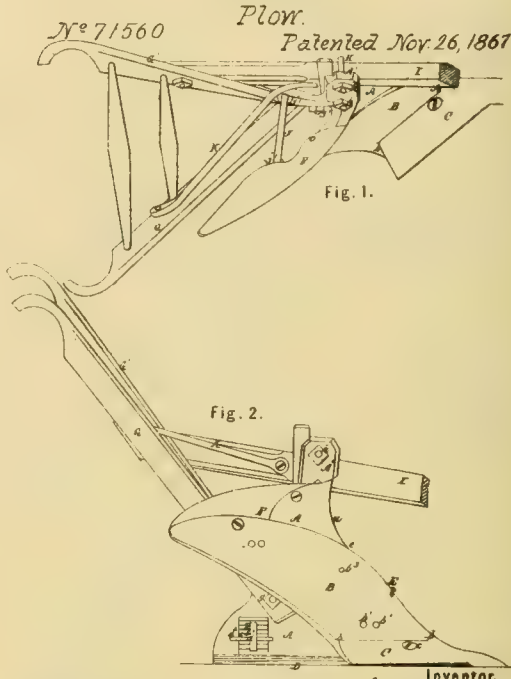


Fig. 1.

Fig. 2.

Witnesses.
Chas. D. Smith
J. G. M. Bowen

Inventor.
Geo Watt
By Kingsbury
Attorney

Sheet 2.
3 Sheets.

G. Watt
Plow.
No 71560 Patented Nov. 26, 1867.

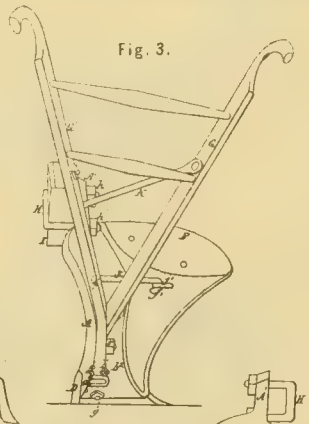


Fig. 3.

Fig. 4.

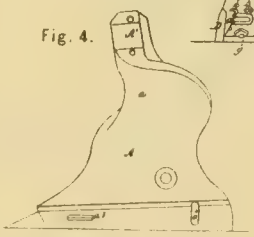


Fig. 5

Witnesses.
Chas. D. Smith
J. G. M. Bowen

Inventor.
Geo. Watt
By Kingsbury
Attorney

Sheets
3 Sheets.

G Watt.
Plow.
No 71560 Patented Nov. 26, 1867.

Fig. 6.

Fig. 7.

Fig.

Fig. 9.

Fig. 10.

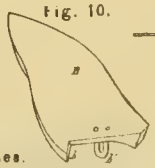


Fig. 11.

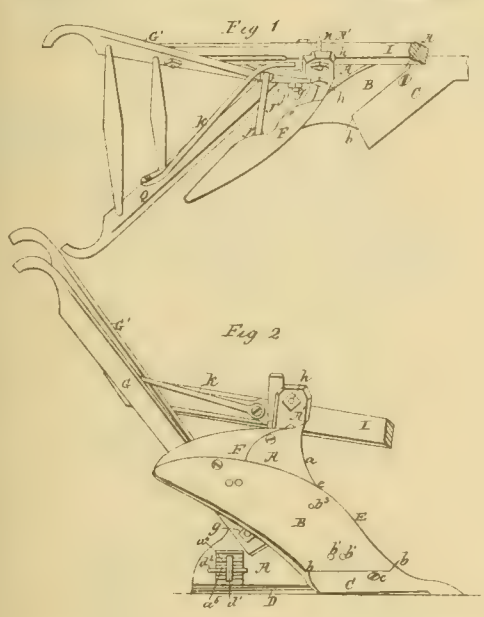
Witnesses.
Chas. D. Smith
J. G. M. Bowen

Inventor.
Geo. Watt
By Kingsbury

G. WATT. 3 Sheets—Sheet 1.

Plow.

No. 3,609. Reissued Aug 17, 1869.



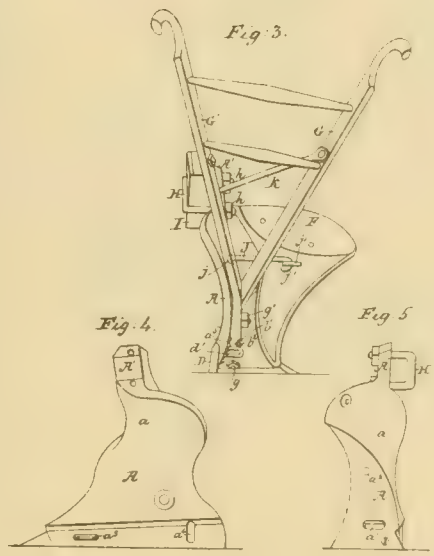
Witnesses
Chas. D. Smith
J. E. M. Bowen

Inventor
Geo. Watt
By Knight Bros

G. WATT. 3 Sheets—Sheet 2.

Plow.

No. 3,609. Reissued Aug 17, 1869.



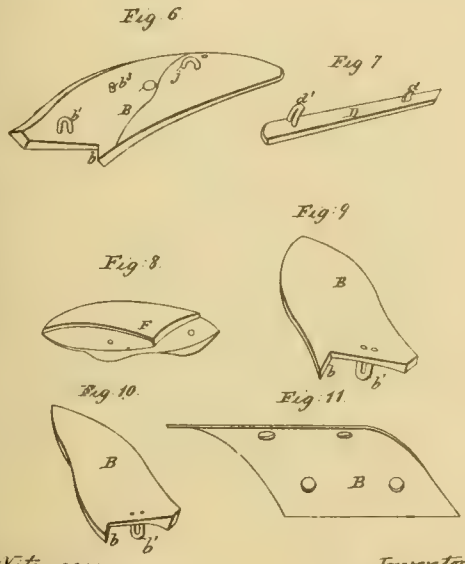
Witnesses.
Chas. D. Smith
J. E. M. Bowen

Inventor
Geo Watt
By Knight Bros

G. WATT. 3 Sheets—Sheet 3.

Plow.

No. 3,609. Reissued Aug 17, 1869.



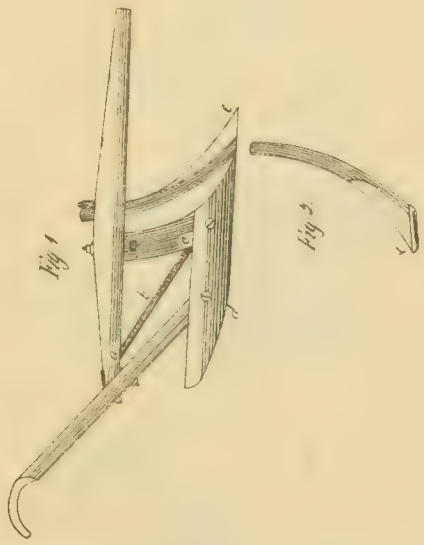
Witnesses
Chas. D. Smith
J. E. M. Bowen

Inventor.
Geo. Watt
By Knight Bros.

G. Gibbs.

Plow.

No 71734 Patented Dec. 3, 1867.



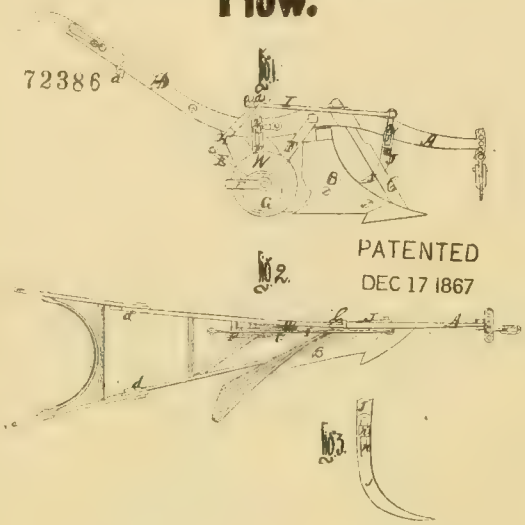
Witnesses
W. C. Thompson
Geo. W. Raff

Inventor
Geo. Gibbs

Andrew Gilmore.

Plow.

72386



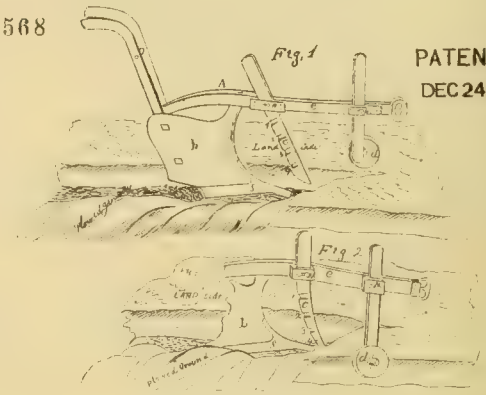
PATENTED
DEC 17 1867

Witnesses:
J. C. Kenon
[illegible]

Inventor:
Andw. Gilmore
By Munn & Co
Attorneys.

William D. Sites' Impt's in Ploughs

72568



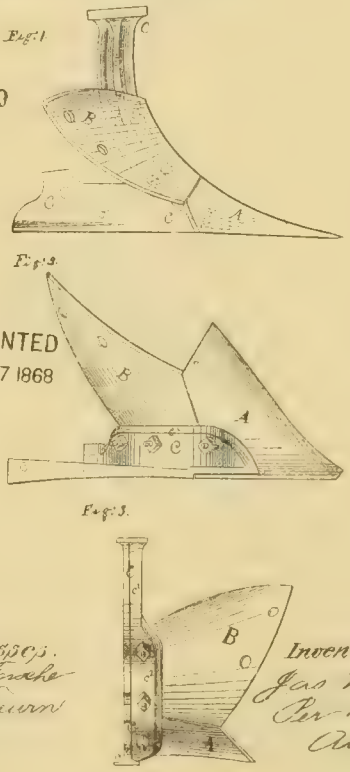
PATENTED
DEC 24 1867

Witnesses.
James P. McLean
Ernest C. McLean

Wm. D. Sites
Inventor

James Ure's "Plow."

73209



PATENTED
JAN 7 1868

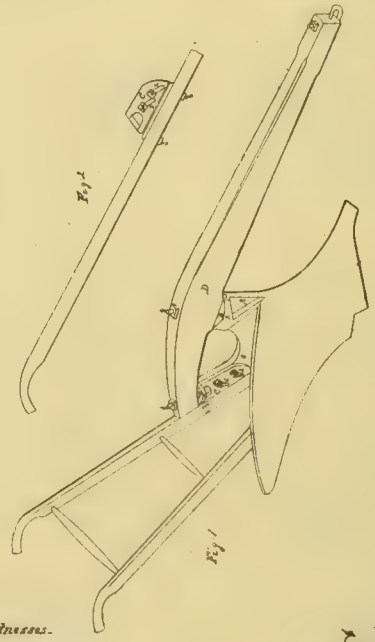
Witnesses.
Geo. Fincke
W. Brown

Inventor.
Jas Ure
Per Munn & Co
Attorneys

Smith & Strasser.

Plow

No. 73550 Patented Jan 21, 1868



Witnesses.
James J. Johnston
A. C. Johnston

Inventors
George R. Smith
Hugh Strasser

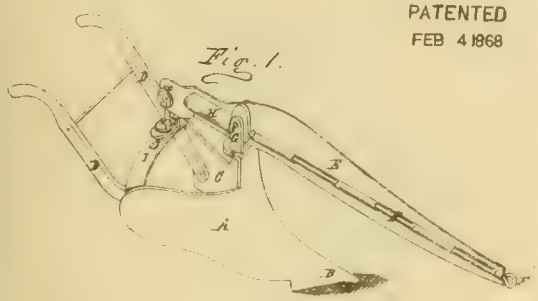
CHARLES WHITE

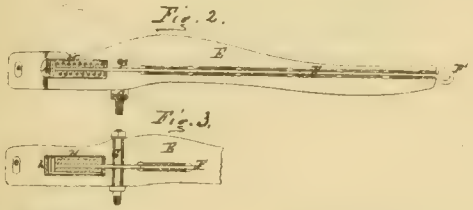
Assignor to Himself & George & Robert White

74183

Impt. in Ploughs.

PATENTED
FEB 4 1868



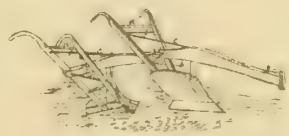


Witnesses
A. B. Smith
Alex. Mahon

Inventor
Chas. White
by his atty
A. B. Smith

W. B. Young.
Plough.

No. 74,474 Patented Feb. 11, 1868.

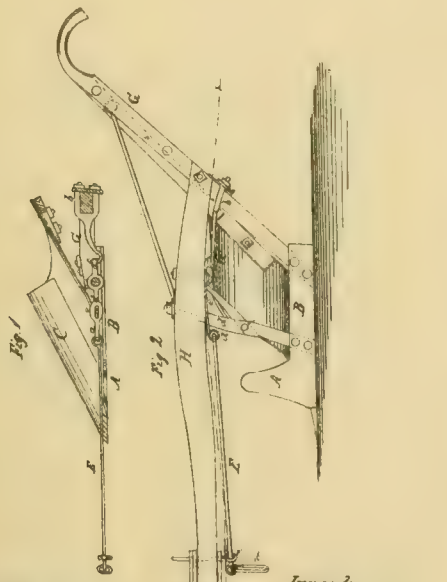


Witnesses
Geo. Langdon
John Fiers

Inventor
William B. Young

M. Penning.
Plow.

No. 76243 Patented Mar. 31, 1868.

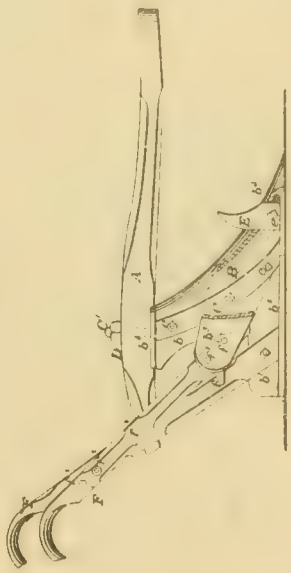


Witnesses.
H. G. Rabkectter
J. A. Spason

Inventor.
M. Penning
per Munn & Co

C. WILKIN.
Plow.

No. 76,681. Patented April 14, 1868.



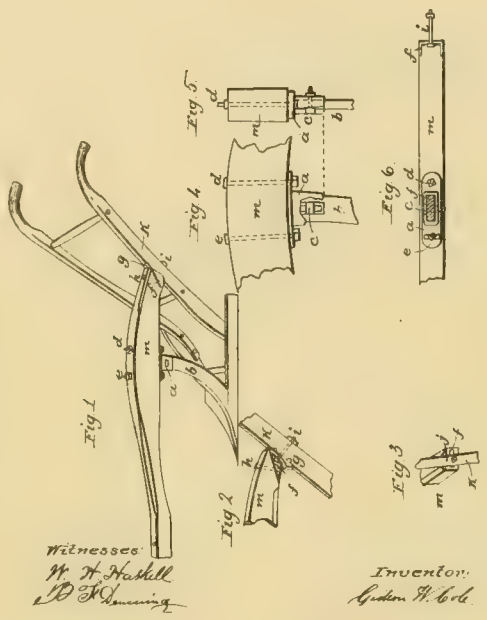
Witnesses:
Jas. M. Bowen
Wm. H. Burton

Inventor:
Cornelius Wilkin
By Knight Bros.

G. W. COLE.

Plow.

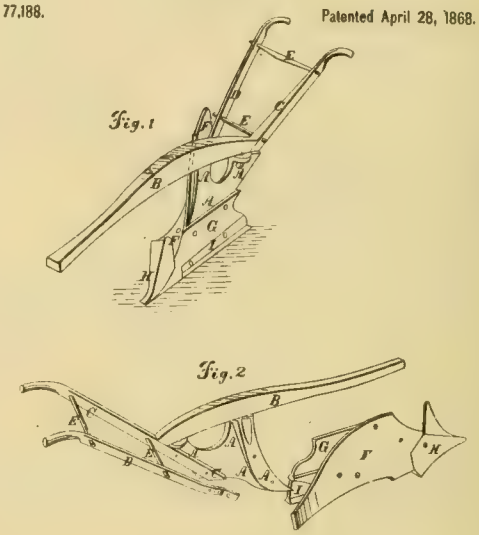
No. 76,714. Patented April 14, 1868.



J. S. HALL.

Plow.

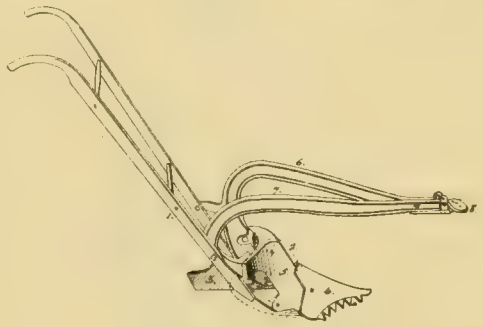
No. 77,188. Patented April 28, 1868.



P. H. Starke.

Plow.

No. 77,547. Patented May 6, 1868.



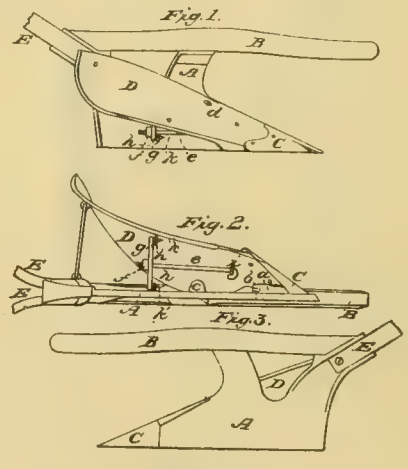
Witnesses:
Jas. F. Phillips
H. Dove

Inventor:
P. H. Starke

E. G. MATTHEWS.

Plow.

No. 77,996. Patented May 19, 1868.



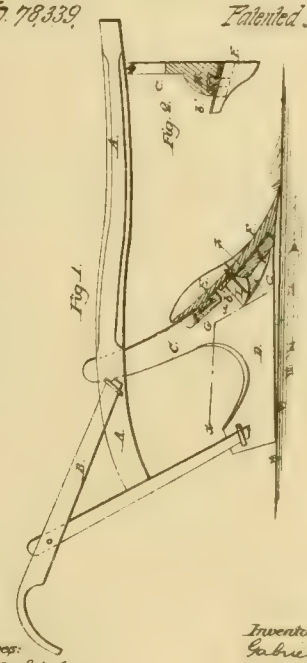
Witnesses
D. P. Hale Jr.
Fred Pier

Inventor.
E. G. Matthews
by his attorney
R. H. Eddy.

G. Utley,

Plow

No. 78,339. Patented May 26, 1868.



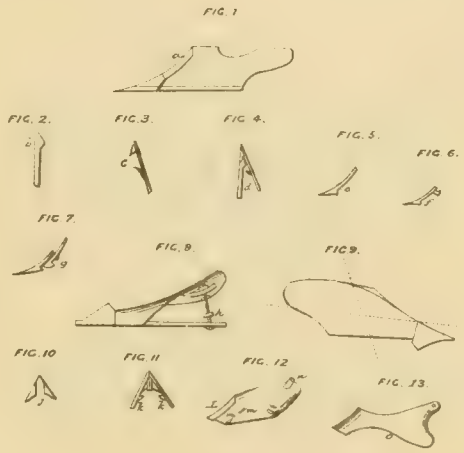
Witnesses:
H. B. Ashley
J. A. Fraser

Inventor:
Gabriel Utley
Per Munn & Co.
Attorneys

S. HULBERT.

Plow.

No. 78,457. Patented June 2, 1868.



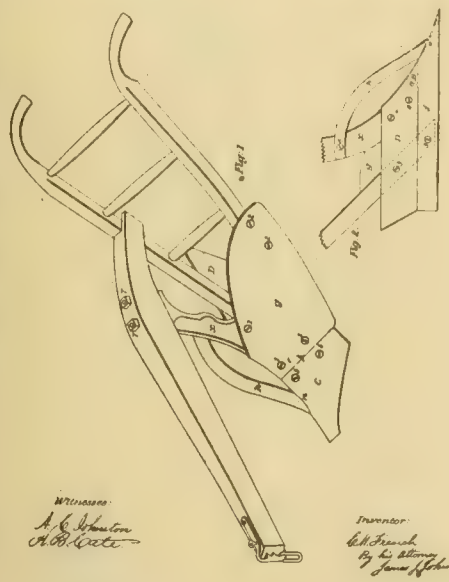
WITNESSES.
Edmund O. Faulkner
Wm. H. Whitt

INVENTOR:
Samuel Hulbert

G. M. French,

Plow.

No. 78,869. Patented June 16, 1868.



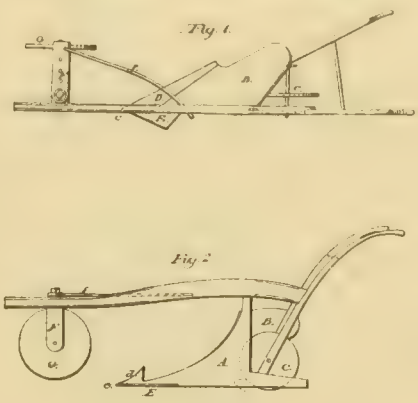
Witnesses:
A. G. Johnston
H. B. Cate

Inventor:
G. M. French
By his Attorney
James H. Johnston

A. C. Sagues

Plow

No. 79,834. Patented July 14, 1868.



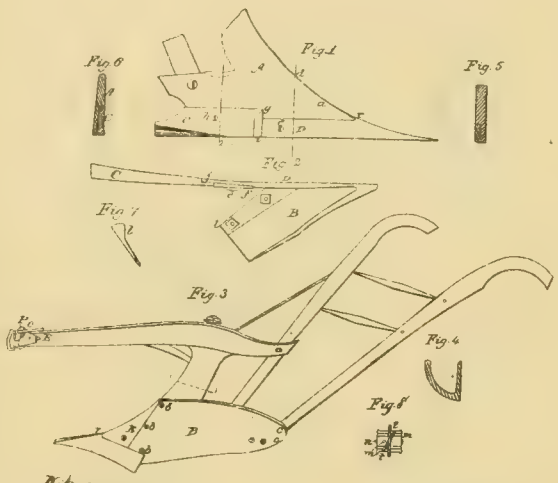
Witnesses:
W. H. Coulson
Geo. Green

Inventor:
Abram C. Sagues
by J. R. Wadsworth & Son
Attorneys

H. T. BEAM.

Plow.

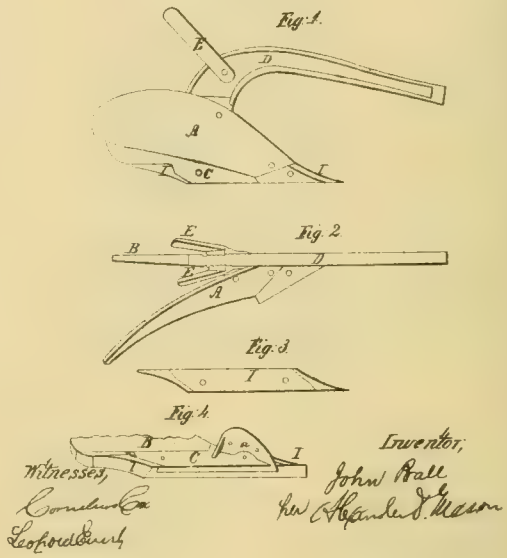
No. 80,118. Patented July 21, 1868.



J. BALL.

Plow.

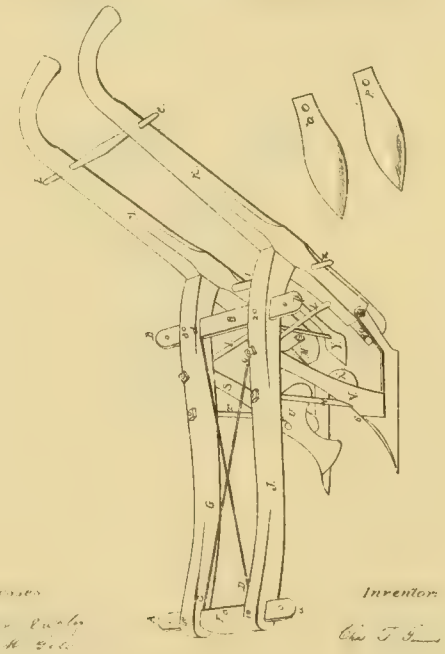
No 81,730. Patented Sept. 1, 1868.



C. T. Grimes.

Plow.

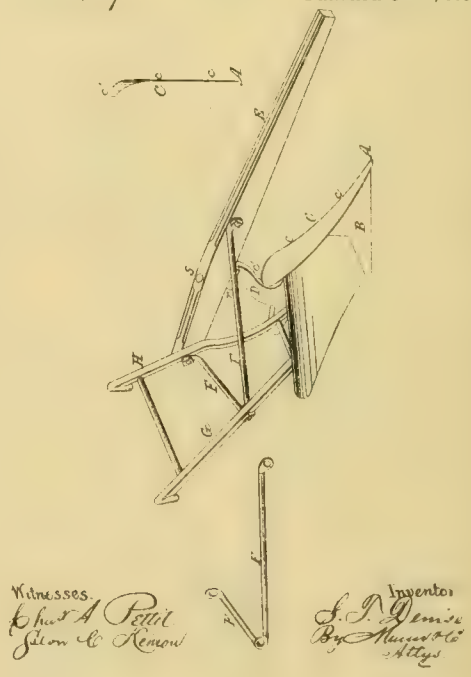
No. 81,996. Patented Sept. 8, 1868



S. T. Denise,

Plow.

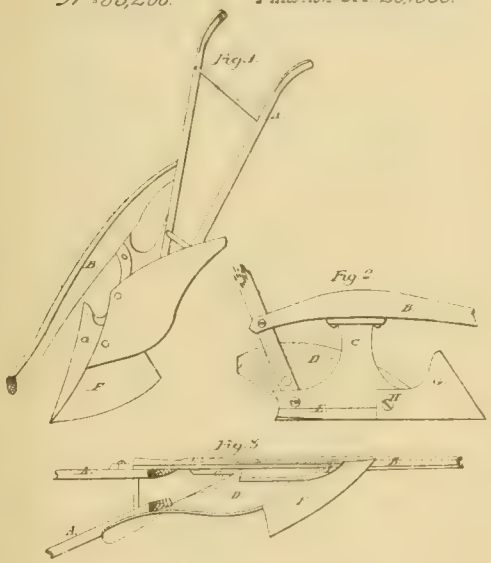
No. 82,809. Patented Oct. 6, 1868.



V. Rakestraw.

Plow.

No. 83,206. Patented Oct. 20, 1868.



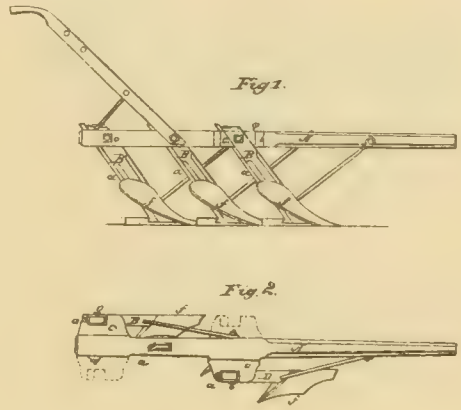
Witnesses:
Louis Boyle
C. J. Drake

Inventor:
V. Rakestraw
Per Attorney
Thos. S. Drake

W. U. HOOVER.

Cultivator.

No. 84,946. Patented Dec. 15, 1868.



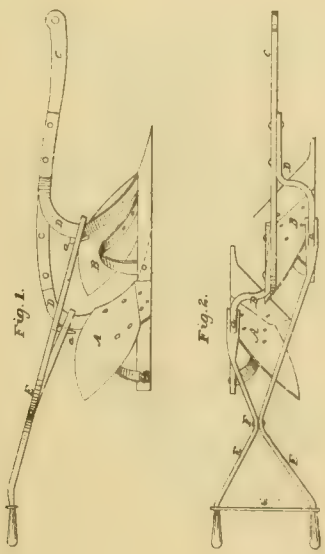
Witnesses:
P. H. Dodge
L. Hailer.

Inventor.
W. W. Hoover.
by Dodge & Munn
Attorneys

J. W. MILROY.

Plow.

No. 85,324. Patented Dec. 29, 1868.



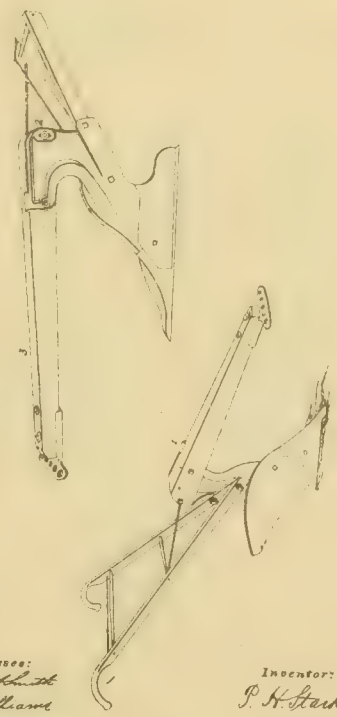
Witnesses:
W. Perrin
Chas. A. Moore

Inventor:
James W. Milroy
by G. B. Fowler
Attorney.

P. H. STARKE.

Plow.

No. 85,342. Patented Dec. 29, 1868.



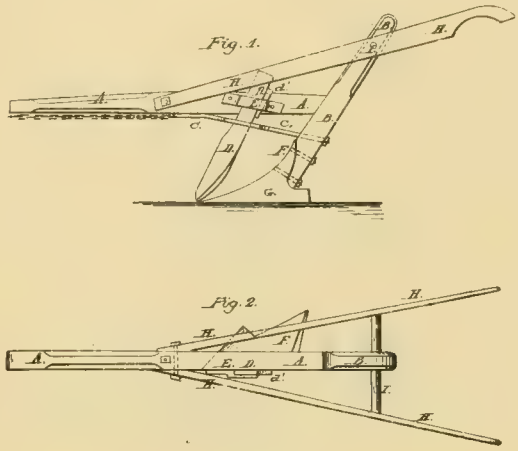
Witnesses:
Edwin A. Smith
H. L. Williams

Inventor:
P. H. Starke

Fentiss & Flint,

Plow.

No 85851. Patented Jan. 12. 1869.



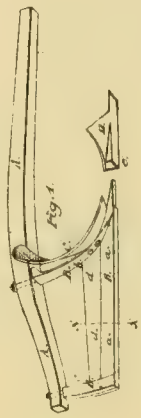
Witnesses:
Wm A. Morgan
G. L. Gifford

Inventors:
O. Fentiss
G. F. Flint
per Munn & Co

A. F. Ingalls,

Plow.

No. 86,839. Patented Feb. 9. 1869.



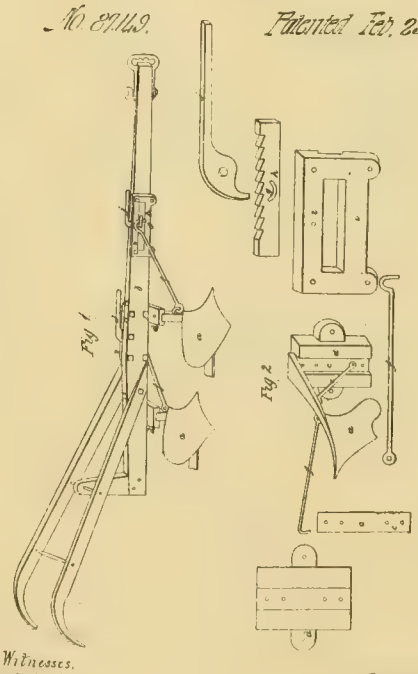
Witnesses:
C. Radley
Wm A. Morgan

Inventor:
A. F. Ingalls
by
Munn & Co
Attorneys

S. Curtis,

Plow.

No. 87149. Patented Feb. 23. 1869.



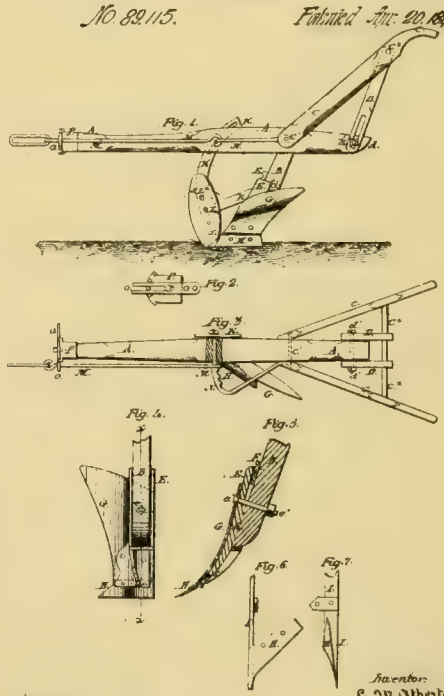
Witnesses.
C. C. Bush
H. S. Jones

Inventor
Sylvanus Curtis

G. M. Atherton,

Plow.

No. 89,115. Patented Apr. 20. 1869.



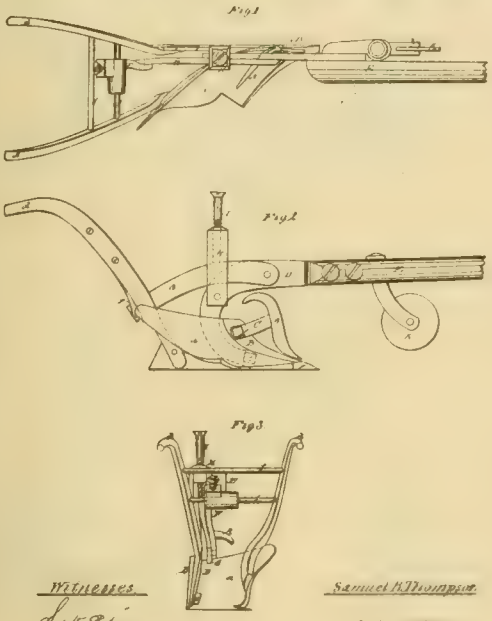
Witnesses:
F. Edwards
Wm A. Morgan

Inventor:
G. M. Atherton
by
Munn & Co
Attorneys

S. H. Thompson.

Plow.

No. 89,608. Patented May 4, 1869.



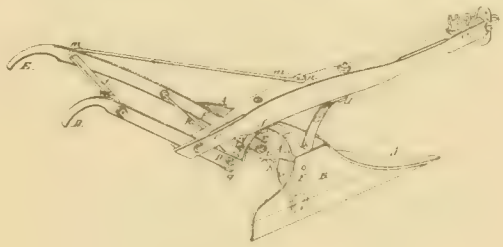
Witnesses.
S. N. Pope
J. H. Brown

Samuel H. Thompson
by his attorney
R. Ashby

H. B. Turner.

Plow.

No. 90,246. Patented May 18, 1869.



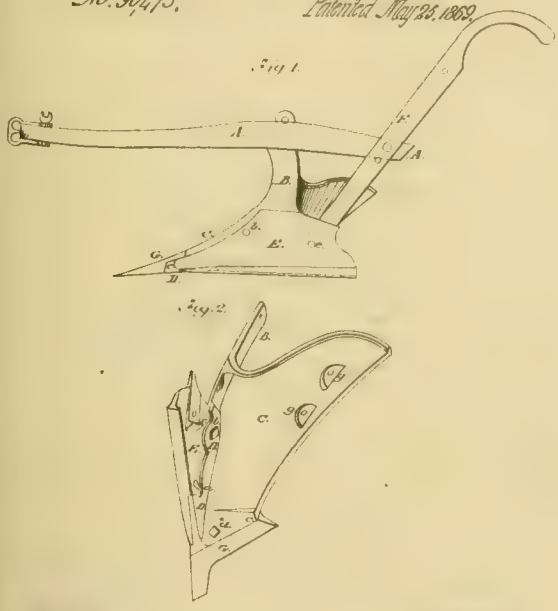
Witnesses.
Edward Wood
Edward Mason

Inventor.
H. B. Turner
By A. H. Naughton
Attorney

E. Wiard.

Plow.

No. 90,475. Patented May 25, 1869.



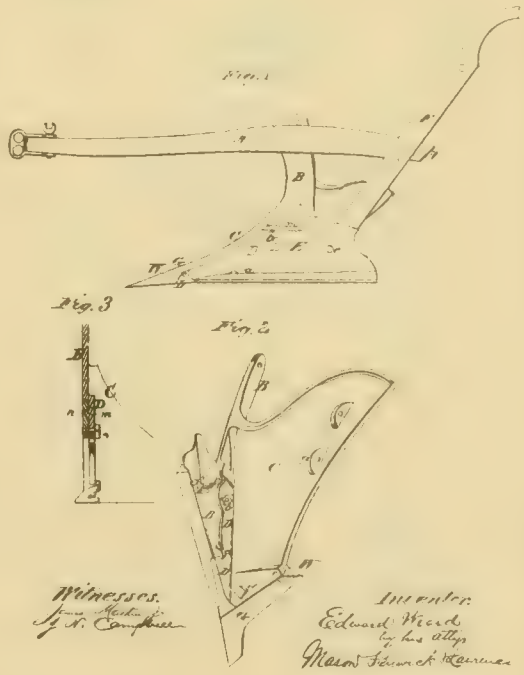
Witnesses:
W. H. Wagner
Jno. H. Brooks

Inventor.
E. Wiard.
Munn & Co.
Att'ys

E. WIARD.

Plows.

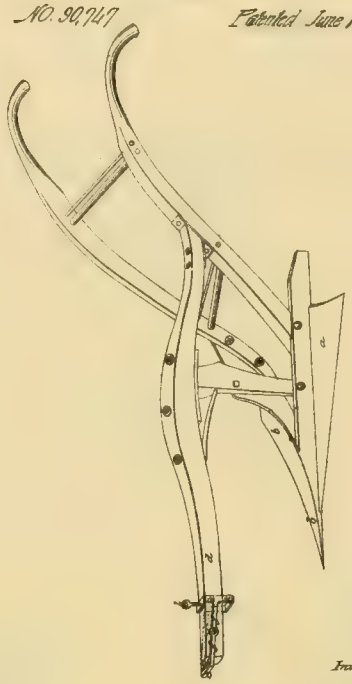
No. 5,941. Reissued June 30, 1874.



Witnesses.
Jno. Martin Jr.
J. N. Campbell

Inventor:
Edward Wiard
by his attys
Mason Fenwick & Lawrence

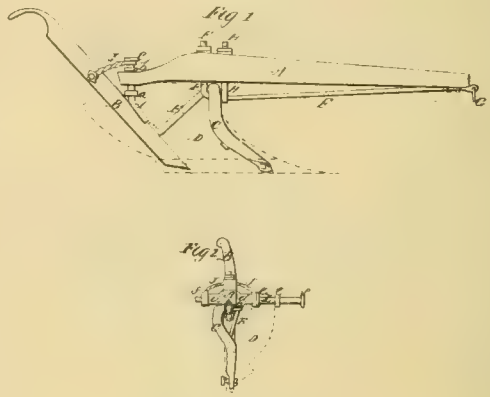
C. Hartzell,
Plow.
No. 90,747 Patented June 1, 1869.



Witnesses.
P. M. Steele.
David Bush.

Inventor.
C. Hartzell.

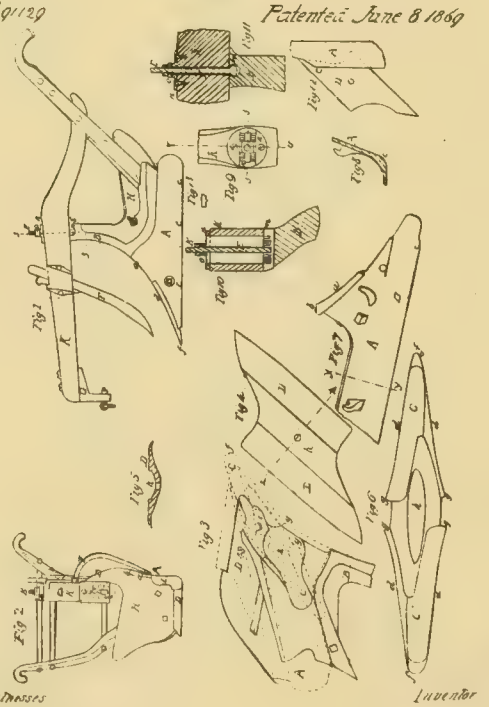
F. M. Franklin,
Plow.
No. 91,109. Patented June 8, 1869.



Witnesses
Leopold Eberts
Cornelius Cox

Inventor
Francis M Franklin
per Alexander Hellison

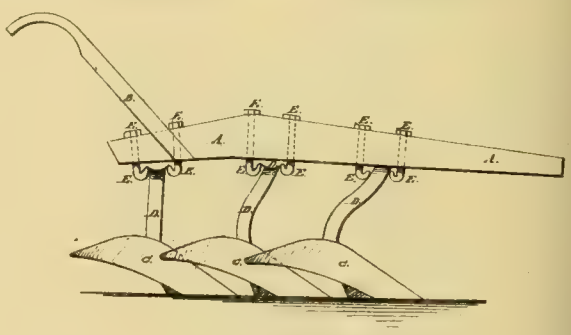
J. Heckendorn
Plow.
No. 91,129 Patented June 8 1869



Witnesses
F. Hendricks
Walter Rathbun

Inventor
Jacob Heckendorn by his
att. G. H. Fraser

J. Long.
Plow.
No. 91,354. Patented Jun. 15, 1869.



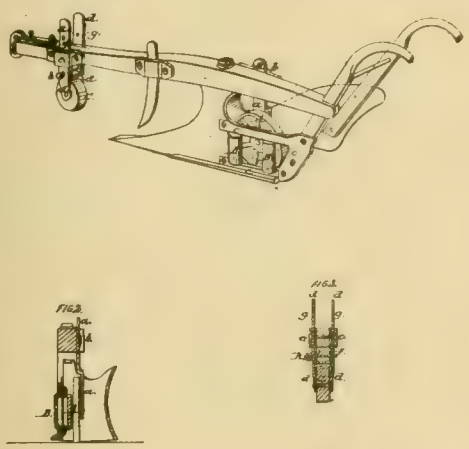
Witnesses:
A. Bonnevent Jr.
Geo. A. Morgan.

Inventor:
J. Long
per Munn & Co.

L. Hunt,

Plow.

No 91,445. Patented June 15. 1869



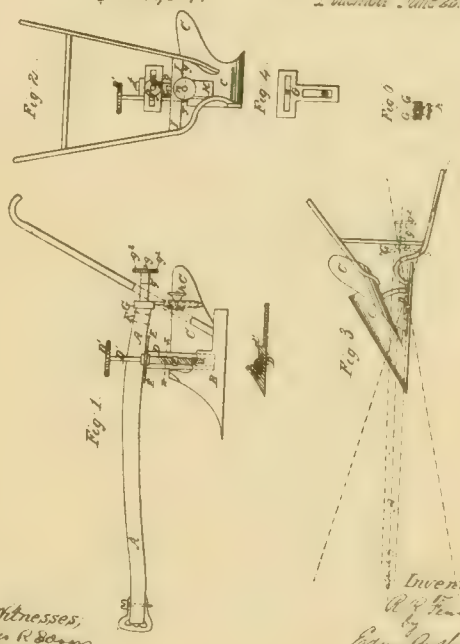
Witnesses:

Inventor:
Lewis Hunt
per
N. Shepard
atty.

R. R. Penner,

Plow.

No. 91,617. Patented June 26. 1869



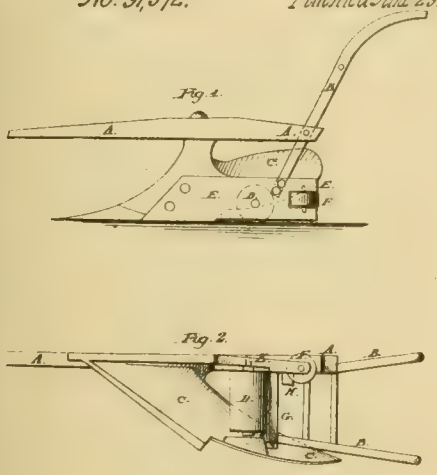
Witnesses,
Jno R Dawson
C. T. Clausen

Inventor,
R. R. Penner
by
Edson Brothers
Attorneys

J. Shepard,

Plow.

No. 91,972. Patented June 29. 1869.



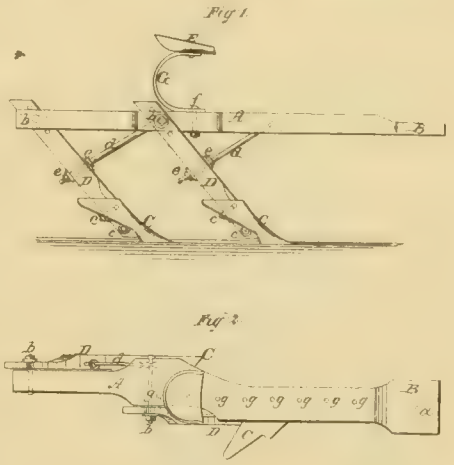
Witnesses.
Geo. W. Mabee

Inventor:
J. Shepard
Per Munn & Co.
Attorneys.

A. G. & J. R. Cummins,

Plow.

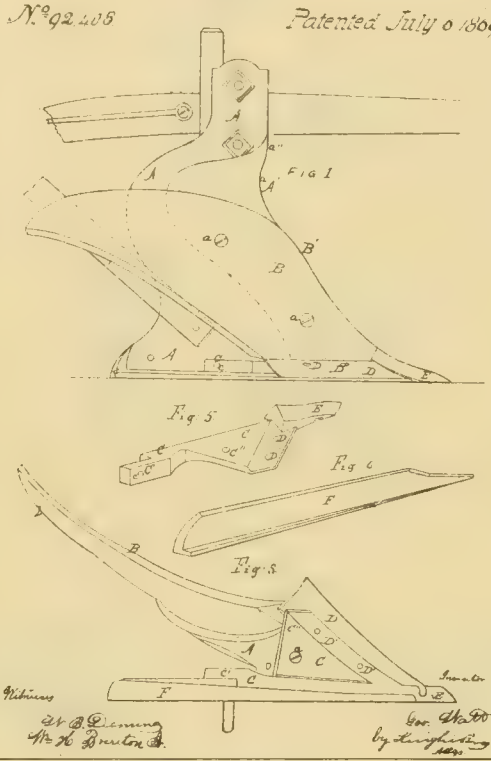
No. [illegible] Patented July 16. 1869



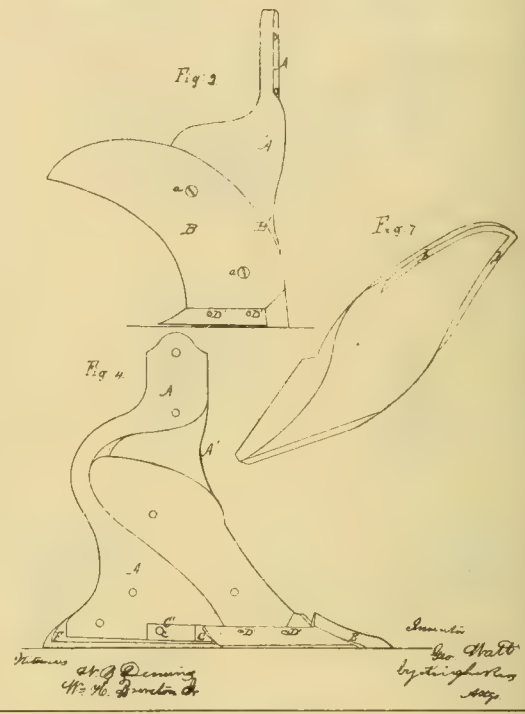
Witnesses
Thos. J. Morgan
P. C. Dieterich

Inventor
A. & J. R. Cummins
per
Munn & Co
Attorneys

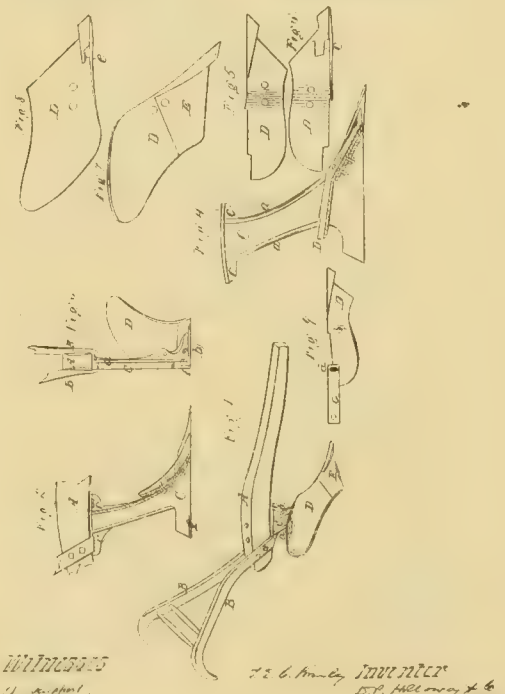
Geo Watt.
Plow.
No. 92,408 Patented July 6 1869.



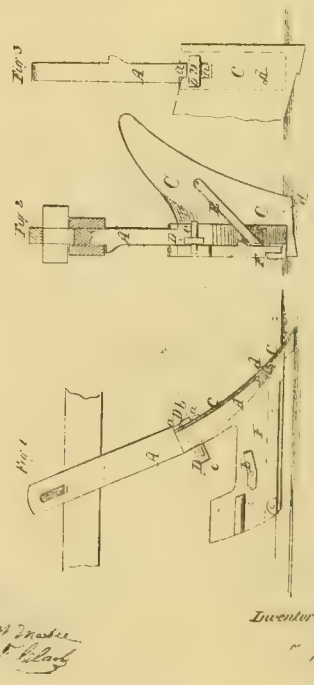
Geo. Watt.
Plow.
No. 92,408 Patented July 6 1869.



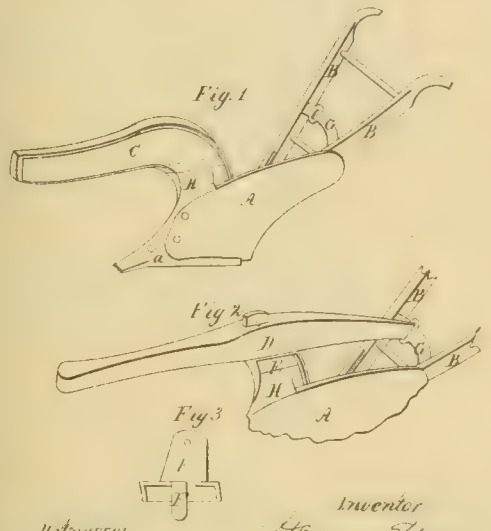
T. E. C. Briney,
Plow.
No. 92,698. Patented July 20, 1869



A. N. Edwards,
Plow.
No. 92,803. Patented July 20, 1869



H. Stern
Plow.
No. 92,898 Patented Jul 20, 1869.

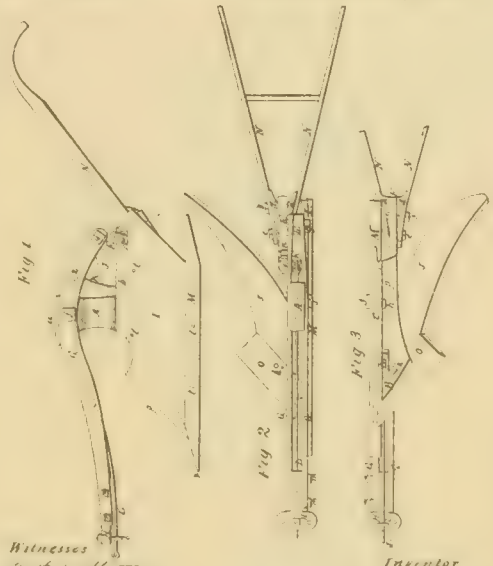


Witnesses
J. M. Stoy
C. A. Evans

Inventor
Henry Stern
per Amos & Sherman
Attys.

Sheet 1, 2 Sheets.

J. Ball
Plow.
No. 93,036. Patented Jul 27, 1869.

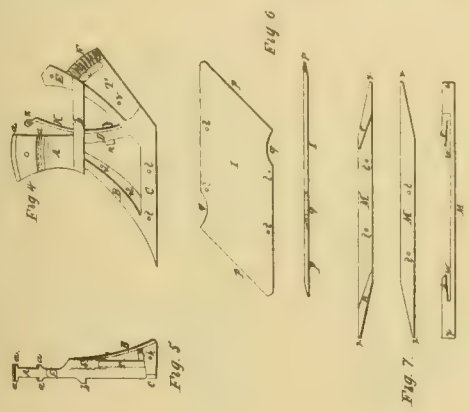


Witnesses
Rud. S. Allen
Wm. H. Hall Jr.

Inventor
John Ball
per Albert & Co. Attorneys

Sheet 2, 2 Sheets.

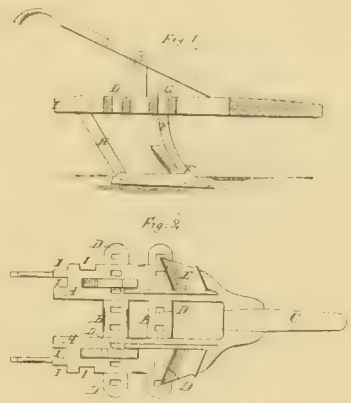
J. Ball
Plow.
No. 93,036. Patented Jul 27, 1869.



Witnesses
Rud. S. Allen
Wm. H. Hall Jr.

Inventor
John Ball
per Albert & Co. Attorneys

J. W. [illegible]
Plow.
No. 93,430 Patented Aug 10, 1869.



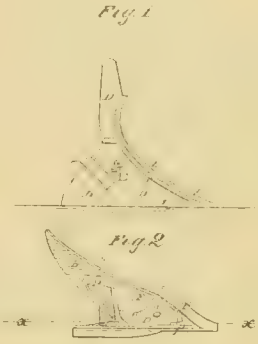
Witnesses:
Geo. W. [illegible]
[illegible]

Inventor:
J. W. [illegible]
per Munn & Co.
Attorneys.

E. Ward.
Plow.
No. 94,306. Patented Aug. 31 1869.

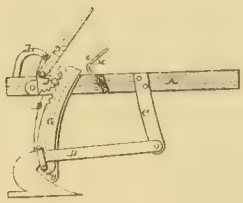
Witnesses:
Inventor:
E. Ward
Per
Attorneys.

E. Ward
Plow.
No. 94,307. Patented Aug. 31 1869.



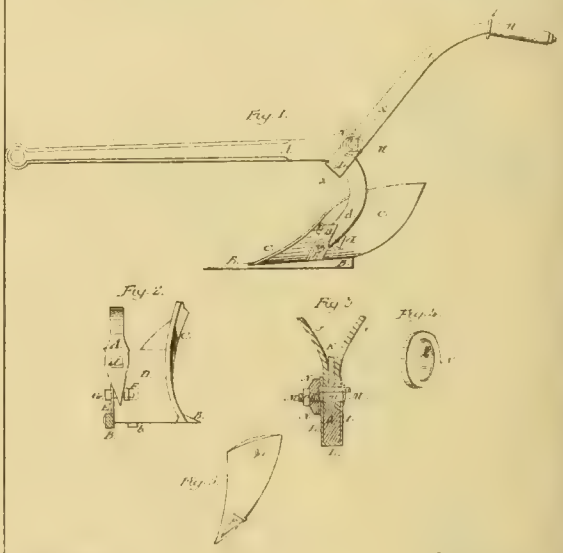
Witnesses:
Inventor:
Per
Attorneys.

Plow.
No. 94,636. Patented Sept. 7 1869.

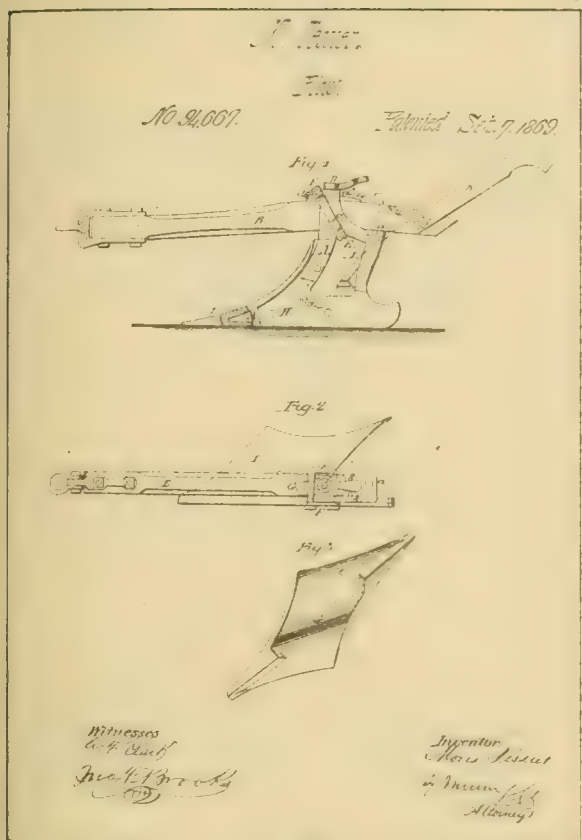


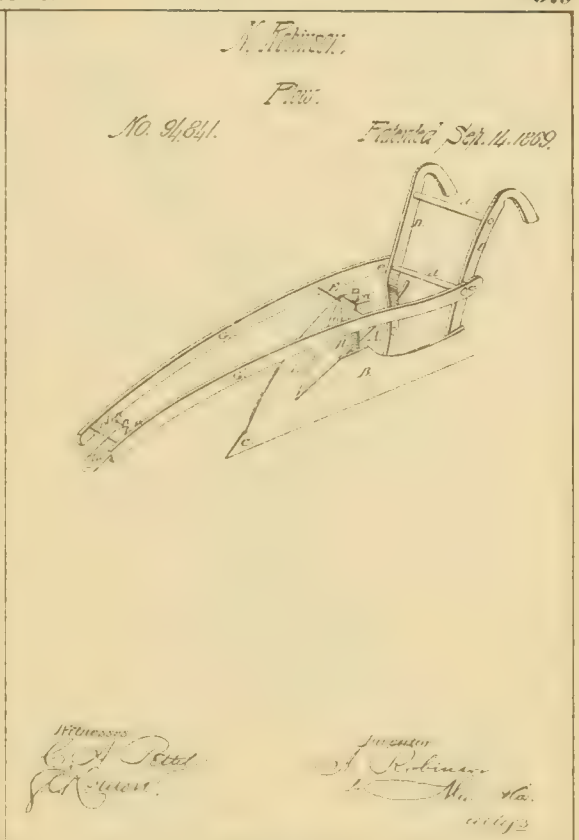
Witnesses:
Inventor

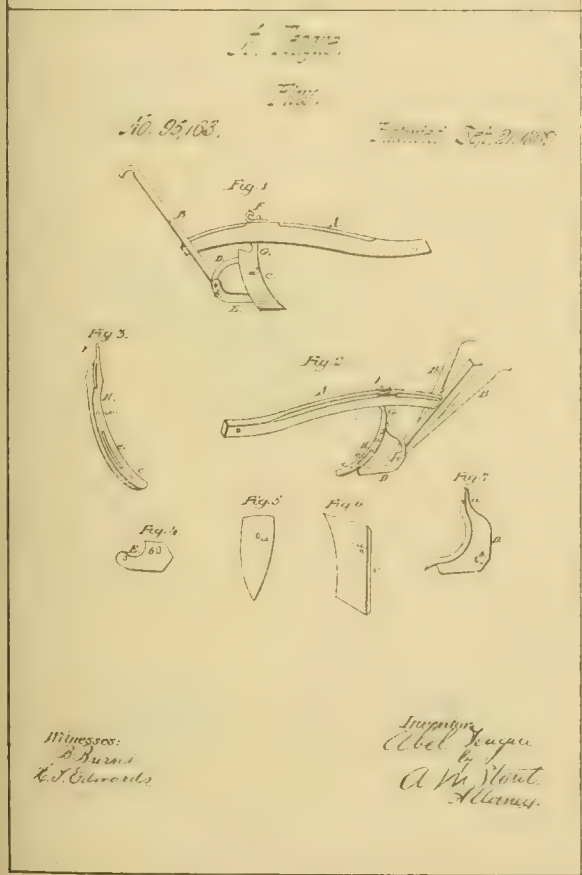
W. T. Fugett
Plow.
No. 94,637. Patented Sept. 7 1869.

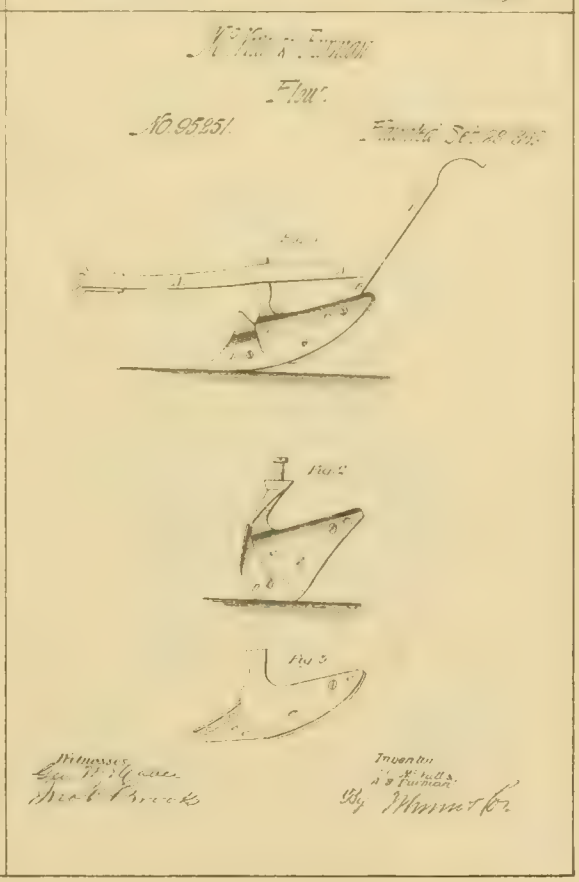


Witnesses:
Inventor
W. T. Fugett


Plow.
No. 94,667.
Patented Sept. 7, 1869.
Fig. 1
Fig. 2
Fig. 3
Witnesses
Inventor
Alonzo Sisson
Attorney

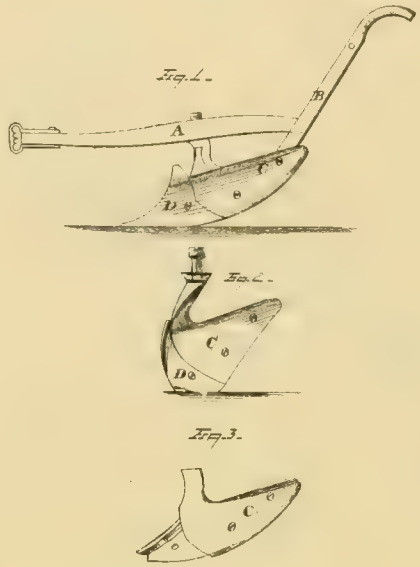

A. Robinson.
Plow.
No. 94,641.
Patented Sept. 14, 1869.
Witnesses
Inventor
A. Robinson


Plow.
No. 95,163.
Patented Sept. 21, 1868.
Fig. 1
Fig. 2
Fig. 3
Fig. 4
Fig. 5
Fig. 6
Fig. 7
Witnesses:
Inventor
Ebel Teague
by
A. M. Stout.
Attorney.


Plow.
No. 95,951.
Fig. 1
Fig. 2
Fig. 3
Witnesses
Inventors
Wm. Wells
& Furman
By Wooster & Co.

J. C. McNUTT & A. B. FURMAN,
Assignors to J. Oliver
PLOW.

No. 7,732. Reissued June 12, 1877.



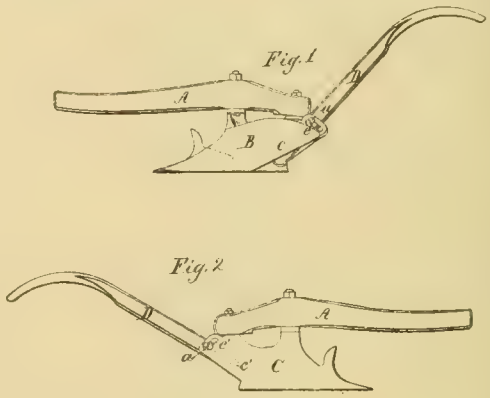
WITNESSES
E. L. Pettingham
F. O. McKeeney

INVENTORS
J. C. McNutt.
A. B. Furman.
By Leggett and Leggett. ATTORNEYS

H. Selick.

Plow.

No. 96,386. Patented Nov. 28, 1869.



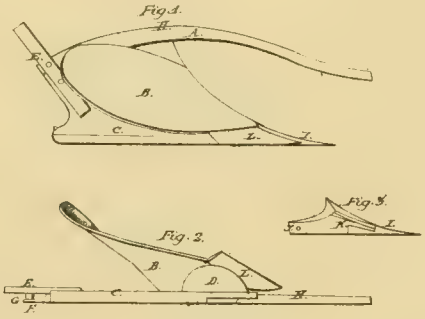
Witnesses
Sydney E. Smith
F. Moore Smith

Inventor
Henry Selick
by Attorneys
Brown, Combs & Co.

H. Killam,

Plow.

No. 95,487. Patented Oct. 5, 1869.



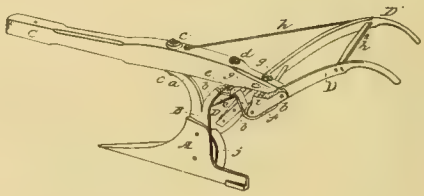
Witnesses.
H. F. Eberth.
Jas. T. Ely.

Inventor:
H. Killam
by H. P. Dodge
attorney

H. B. DURFEE.

Plow.

No. 96,680. Patented Nov. 9, 1869.



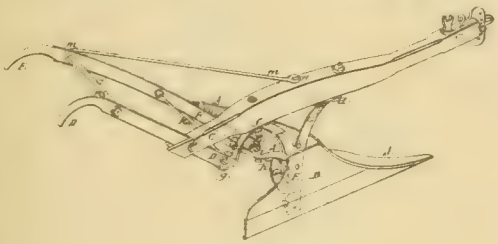
Witnesses:
Henry H. Huggatt
Edmund Mason

Inventor:
H. B. G. Durfee
by A. B. Stoughton Atty.

H. B. Dwyer.

Plow.

No. 3753. Reissued Nov. 30. 1869.



Witnesses:
Charles H. Dwyer
Edmund Mason

Inventor:
H. B. Dwyer
By A. B. Stoughton
Attorney

A. FRANKLIN.

2 Sheets—Sheet 1.

Plow.

No. 96,907. Patented Nov. 16, 1869.

Fig. 1

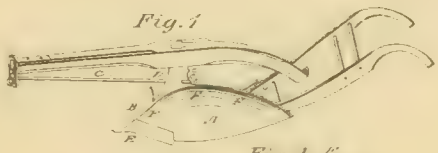


Fig. 4

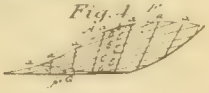


Fig. 2

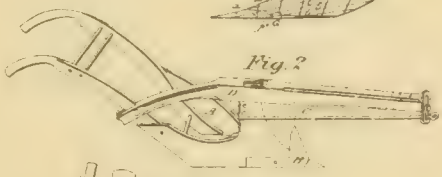
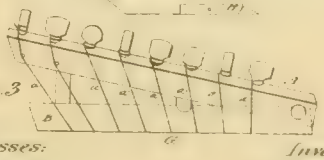


Fig. 3



Witnesses:
L. F. Klumberger
Wm. Emmons

Inventor:
Andrew Franklin

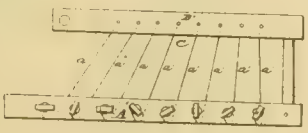
A. FRANKLIN.

2 Sheets—Sheet 2.

Plow.

No. 96,907. Patented Nov. 16, 1869.

Fig. 5



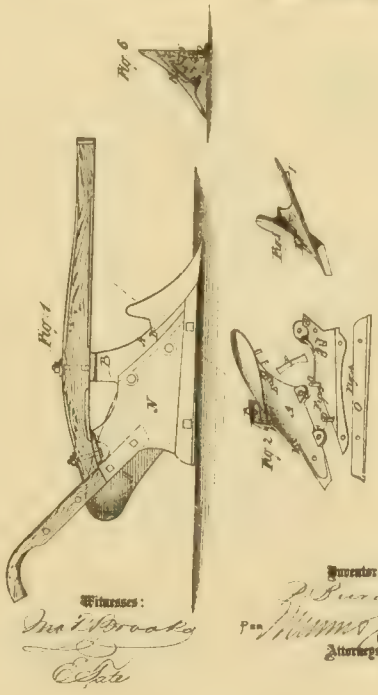
Witnesses:
Leopold Eberle
Henry King

Inventor:
Andrew Franklin
per
Alexander Mason

J. Burns.

Plow.

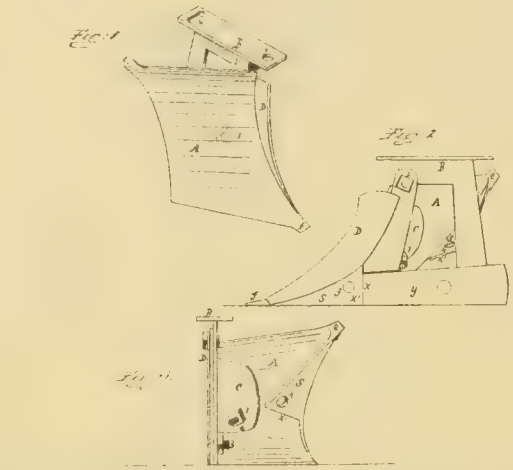
No. 97,352. Patented Nov. 30. 1869.



Witnesses:
Jno. T. Brooks
E. Tate

Inventor:
J. Burns
per Williams & Co.
Attorneys.

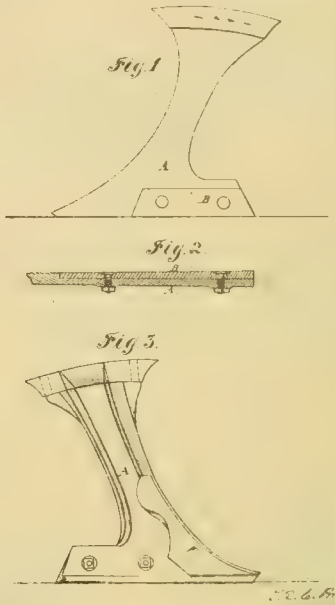
A. Wright,
Plow.
No. 97,746. Patented Dec. 7, 1869



Attest: J. W. Phillips, D. H. Cook

Inventor: Alexander Wright, By his attorney, A. J. Johnson

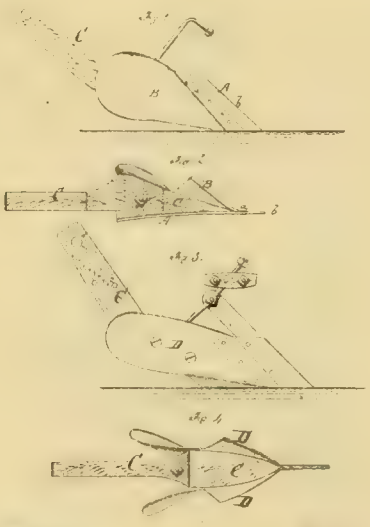
T. E. C. Brinkley,
Plow.
No. 99,830. Patented Feb. 16, 1870.



Witnesses: G. H. Strong, Geo. Geib

Inventor: T. E. C. Brinkley, D. S. Hilliard & Co. Attys.

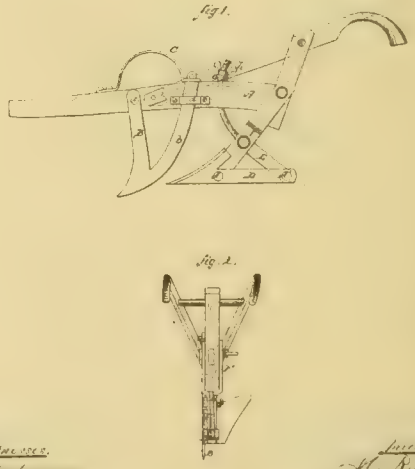
[illegible]
Plow.
No. 100,042. Patented Feb. 22, 1870.



Witnesses: Chas. Neff, Geo. H. Walker

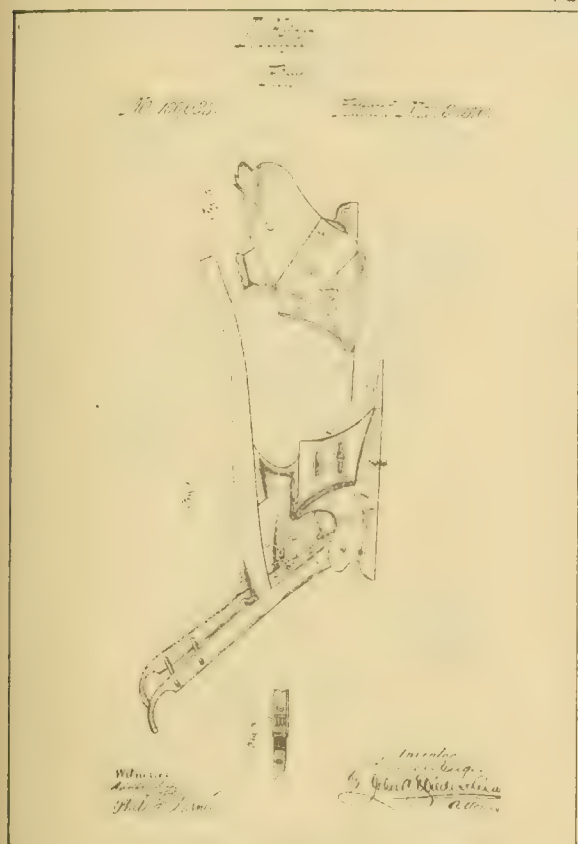
Inventor: A. L. Judson, per Munn & Co. Attorneys.

N. Kroll,
Plow Cutter.
No. 100,306. Patented Mar. 1, 1870.



Witnesses: [illegible], Chas. A. Fenn

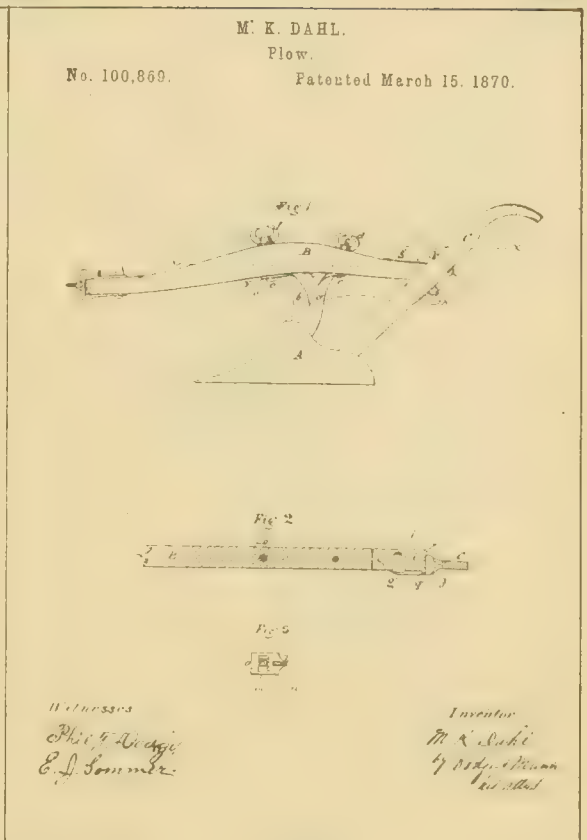
Inventor: N. Kroll, by Munn & Co.



M. K. DAHL.

Plow.

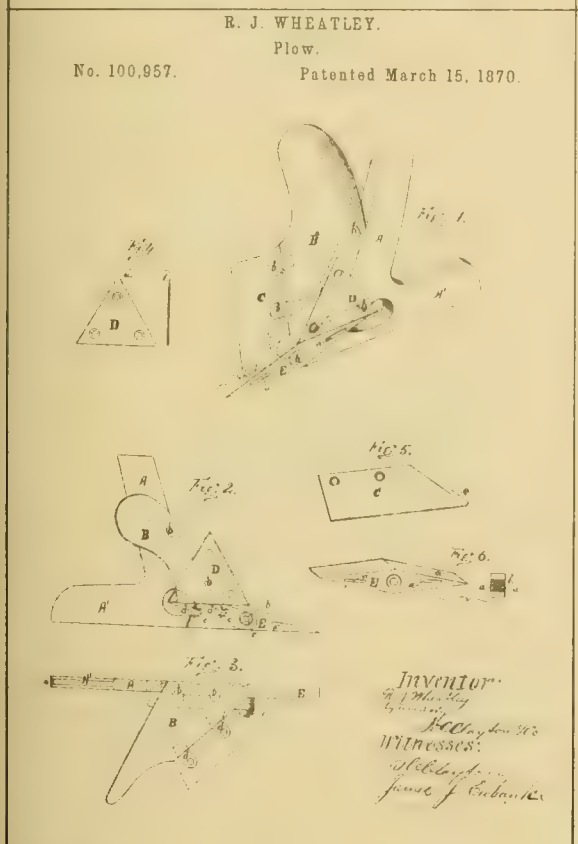
No. 100,869. Patented March 15. 1870.



R. J. WHEATLEY.

Plow.

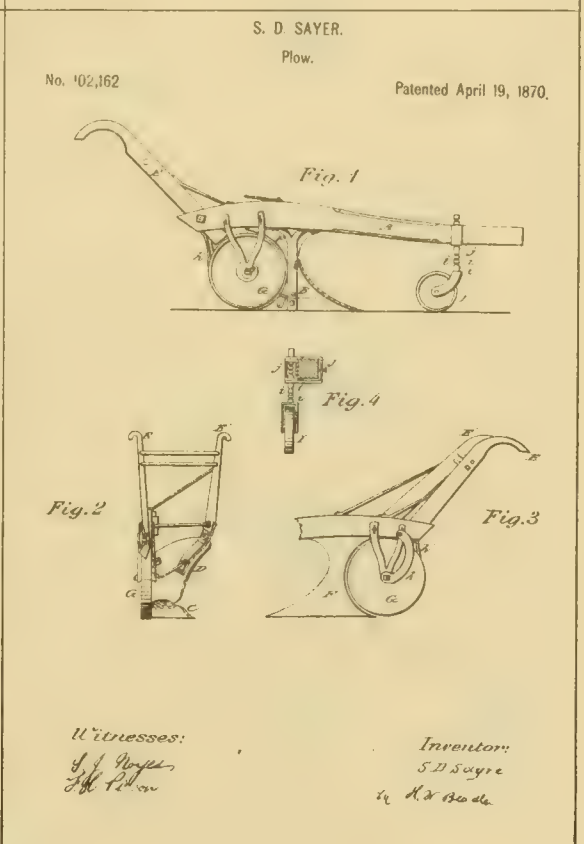
No. 100,957. Patented March 15, 1870.



S. D. SAYER.

Plow.

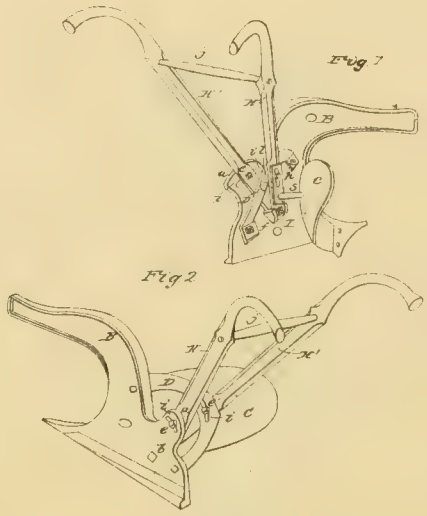
No. 102,162 Patented April 19, 1870.



H. GALE.

Plow.

No. 103,038. Patented May 17, 1870.



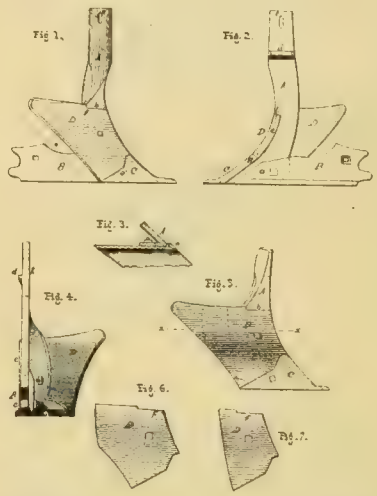
Witnesses
J. T. Cook
Chas. Johnson

Inventor
Horatio Gale

R. Roles,

Plow.

No 103,663. Patented May 31, 1870.



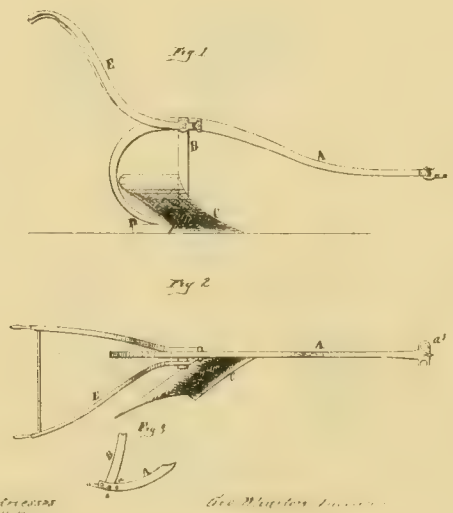
Witnesses.
Chas. H. Pool
H. R. Dennison

Inventor,
Ruffin Roles
by his attorney,
J. B. Woodruff

G. WHARTON.

Plow.

No. 105,531. Patented July 19, 1870.



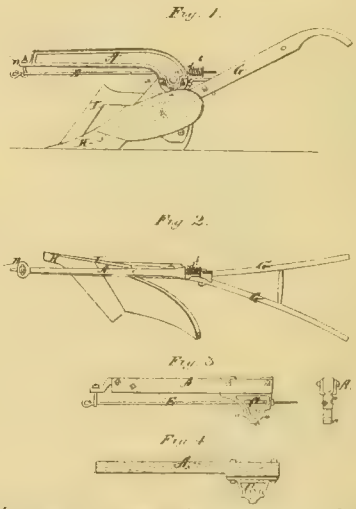
Witnesses
F. S. Pierson
C. A. Clarkson
S. G. Hopes

Geo. Wharton, Inventor
by H. W. Beadle
his Attorney

J. J. Hill,

Plow.

No. 105,073. Patented July 26, 1870



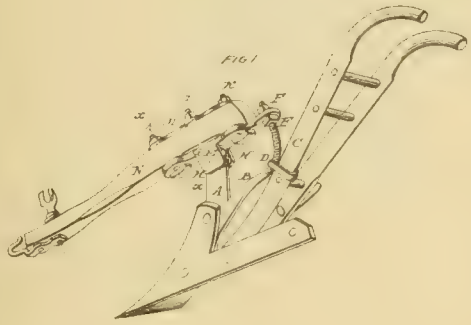
Witnesses
C. A. Crick
W. H. Moore

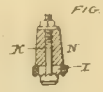
Inventor
J. J. Hill
per
Dennison & Dennison

DICKIE & JOHNSTON.

Plow.

No. 106,559. Patented Aug. 23, 1870.



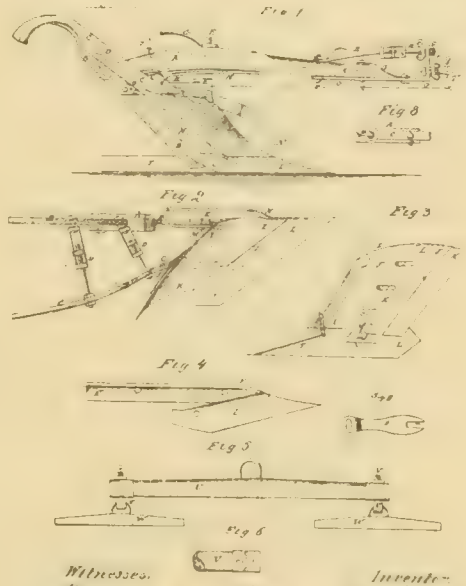


WITNESSES

INVENTOR

Plow.

No. 107,037. Patented Sept. 6, 1870.

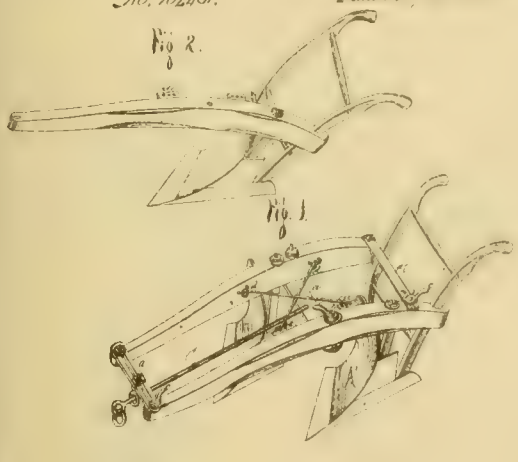


Witnesses.

Inventor

Plow.

No. 107,481.



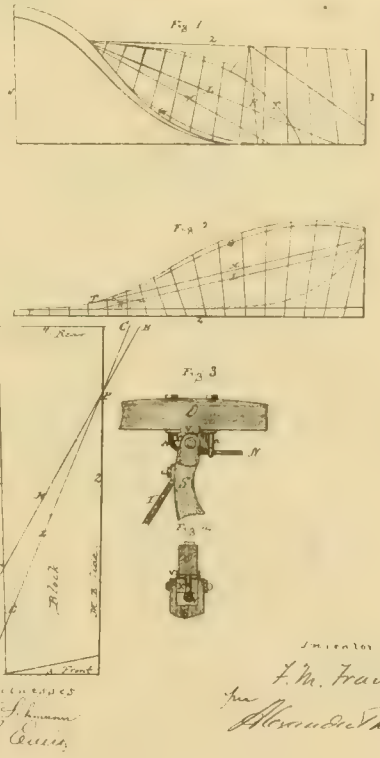
Witnesses.

Inventor

F. M FRANKLIN.

Plow.

No. 107,606. Patented Sept. 20, 1870



Witnesses

Inventor

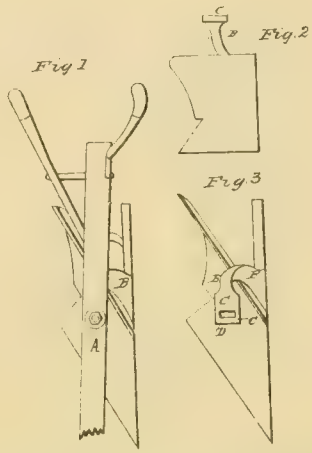
F. M. Franklin

per Alexander Hudson

D. FULTON.

Plow.

No. 107,676. Patented Sept. 27, 1870.



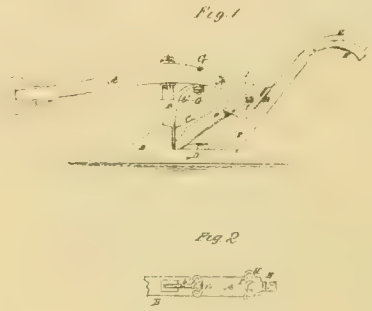
Witnesses
David F. Smith
John Corse

Inventor
David Fulton
By C. M. Smith his Atty

D. MORRIS

Plow

No. 107,705. Patented Sept. 27, 1870.



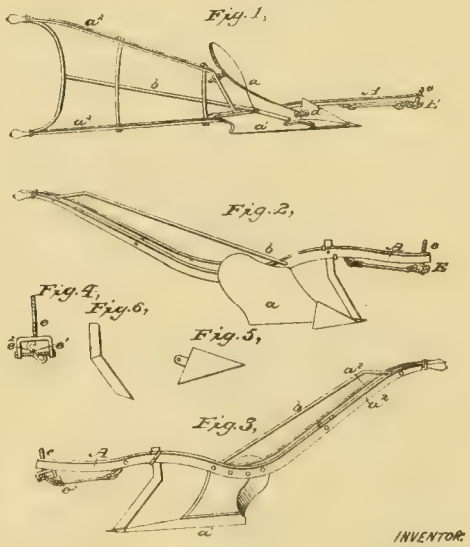
Witnesses:
N. W. Kingsbury
J. C. F. Brooks

Inventor:
D. Morris
Per M. M. Marble
Attorney.

B. C. BLOMSTEN.

Plow.

No. 108,095. Patented Oct. 11, 1870.



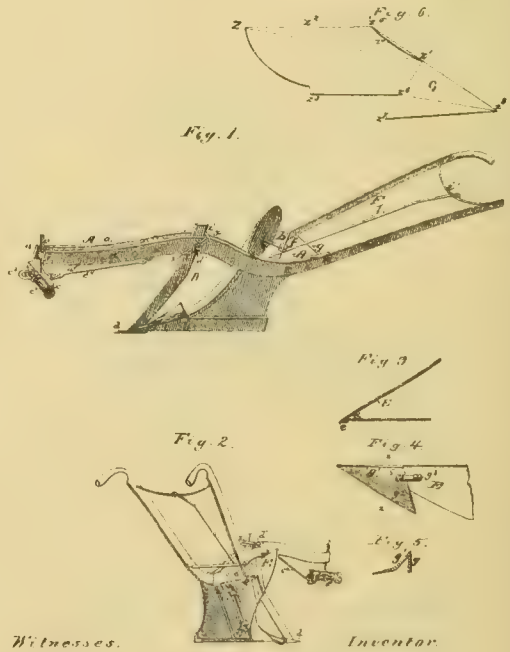
WITNESSES:
J. J. Noyes
A. E. Brown.

INVENTOR:
B. C. Blomsten by
H. W. Beadle
Atty.

B. C. BLOMSTEN.

Improvement in Plows.

No. 4,810. Reissued March 19, 1872.



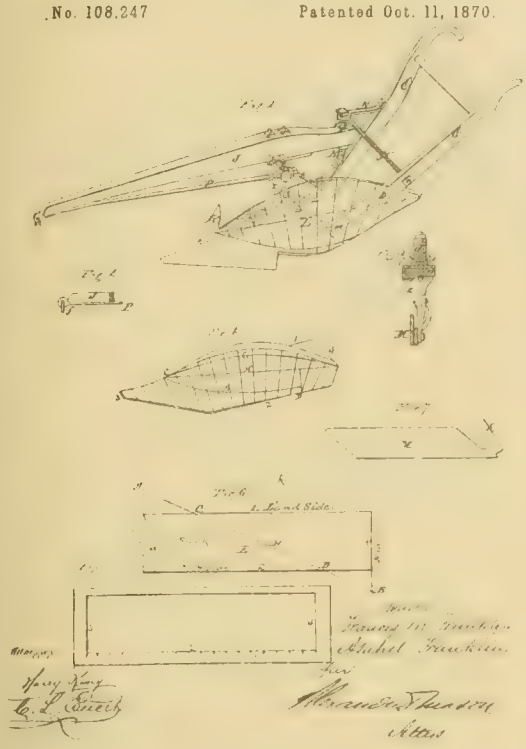
Witnesses.
C. F. Brown.
J. J. Noyes.

Inventor.
B. C. Blomsten
by H. W. Beadle.

A. & F. M. FRANKLIN.

Plow

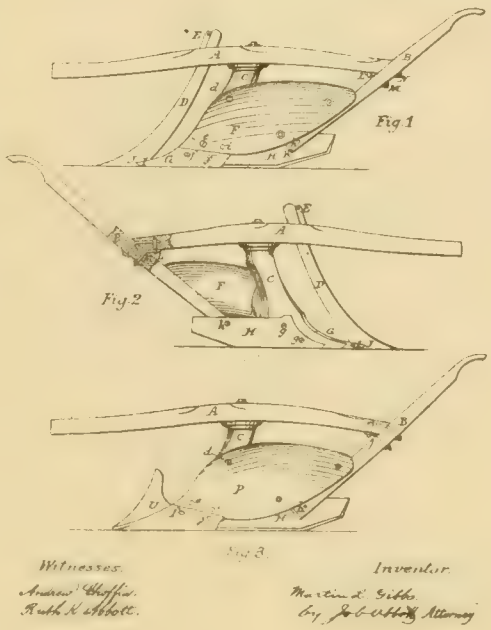
No. 108,247 Patented Oct. 11, 1870.



M. L. GIBBS. 2 Sheets—Sheet 1.

Side-Hill Plow.

No. 108,699. Patented Oct. 25, 1870.



Witnesses. Inventor.

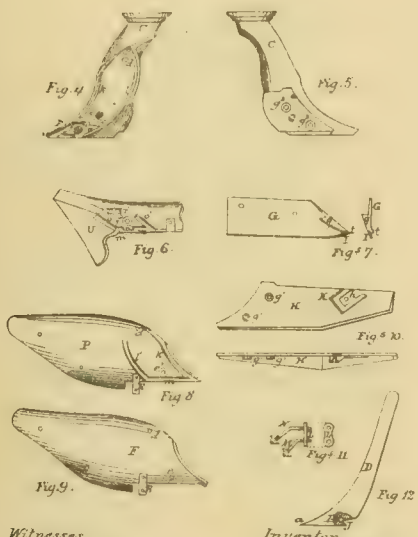
Andrew Chaffee. Martin L. Gibbs.

Ruth H. Abbott. by Jos. Abbott, Attorney

M. L. GIBBS. 2 Sheets—Sheet 2.

Side-Hill Plow.

No. 108,699. Patented Oct. 25, 1870.



Witnesses Inventor

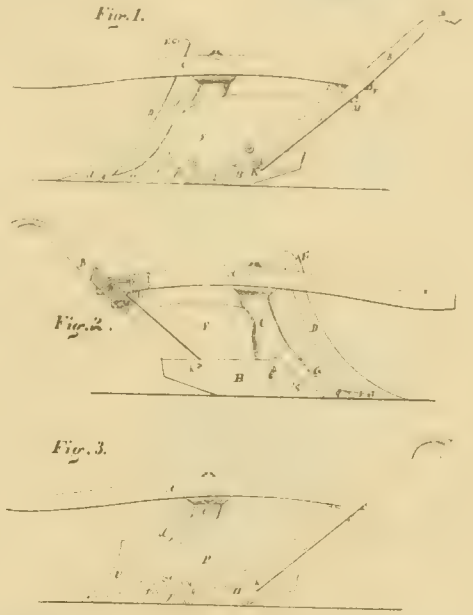
Andrew Chaffee Martin L. Gibbs

Ruth H. Abbott by Jos. Abbott, Attorney.

M. L. GIBBS. 2 Sheets—Sheet 1.

Improvement in Plows.

No. 4,965 Reissued July 9, 1872.

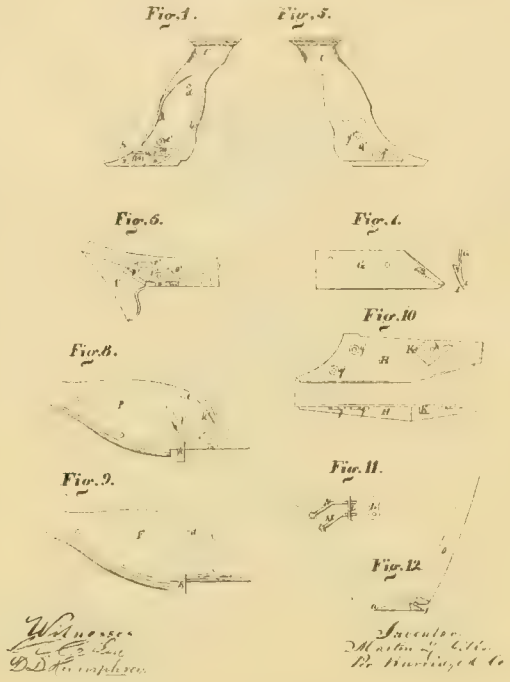


2 Sheets--Sheet 2.

M. L. GIBBS.

Improvement in Plows.

No. 4,965. Reissued July 9, 1872.



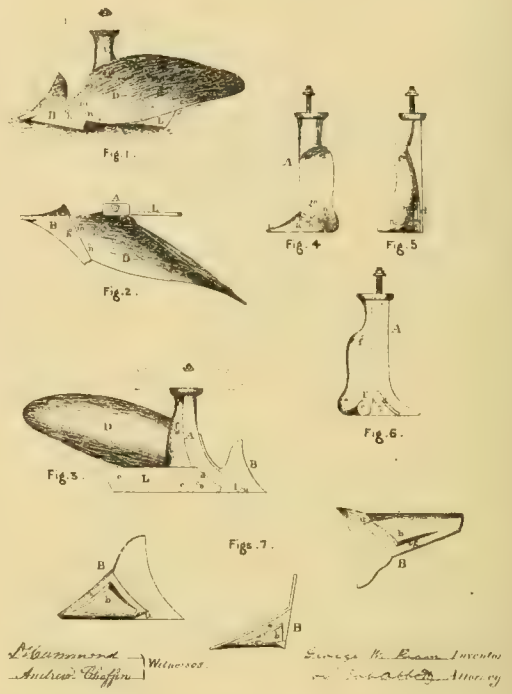
Witnesses
D. D. Humphrey

Inventor
Martin L. Gibbs
Pr Burridge & Co

G. W. REAM.

Plow.

No. 108,730. Patented Oct. 25, 1870.



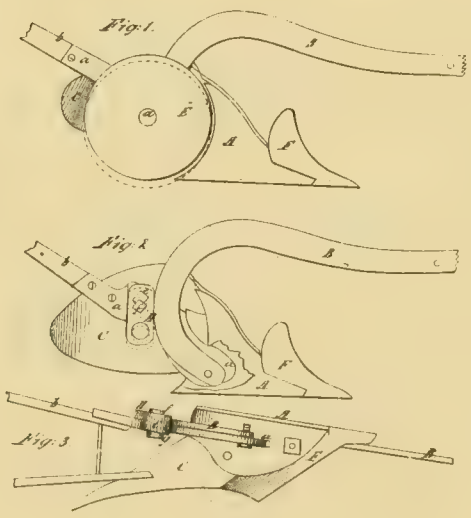
L. Hammond
Andrew Chaffin
Witnesses.

George W. Ream Inventor
Attorney

E. Diedrich

Plow.

No. 108892. Patented Nov. 1, 1870.



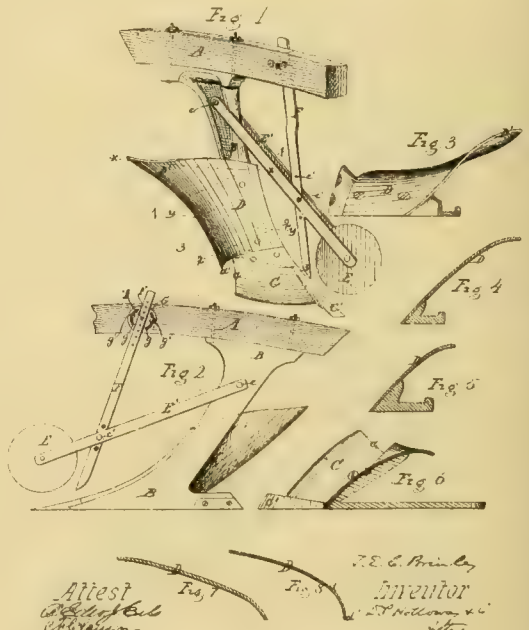
Witnesses.
Parker H. Swat Jr.
C. R. Brow

Inventor
Edward Diedrich
by J. C. Theaker
Atty

T. E. C. Brinley.

Plow.

No. 109290. Patented Nov. 15, 1870



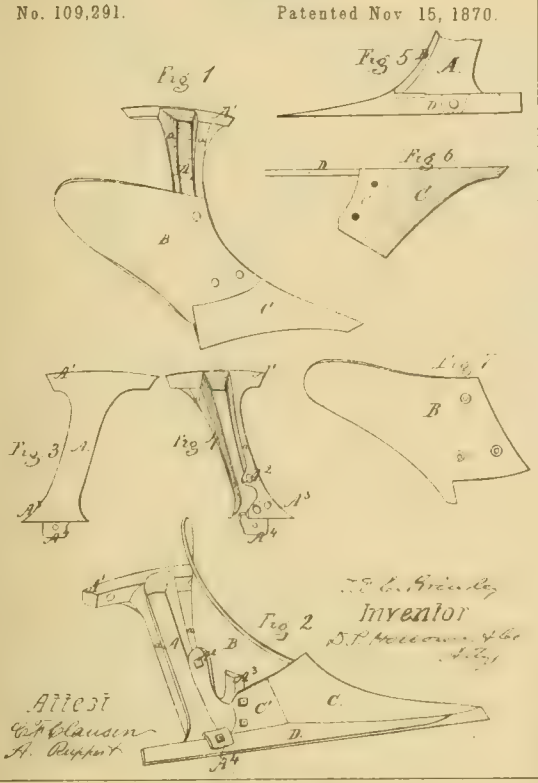
Attest
C. H. Helman

T. E. C. Brinley
Inventor
J. H. Nellson & Co
Attys

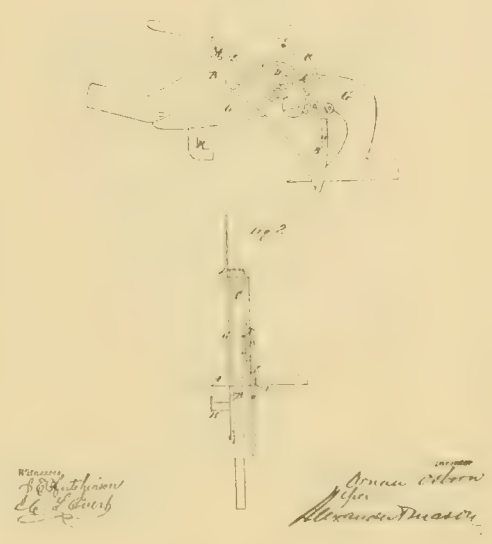
T. E. C. BRINLY

Plow

No. 109,291. Patented Nov 15, 1870.



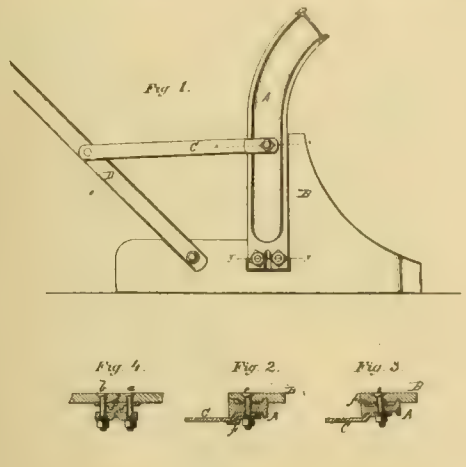
No. 109,340. Patented Nov. 15, 1870.



H. Smith

Plow

No. 109,352. Patented Nov. 15, 1870.



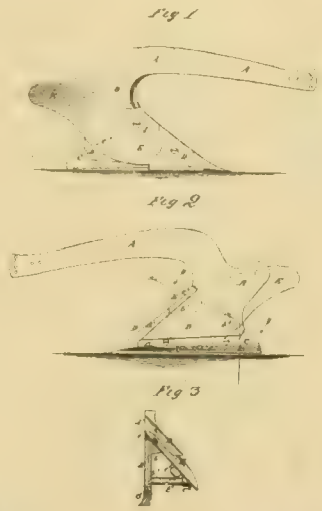
Witnesses,
L. Hailer
Phil T. Dodge

Inventor,
Hugh Smith
by Dodge & Munn
his attys

Odell & Little.

Plow

No. 109,929. Patented Dec. 6. 1870.



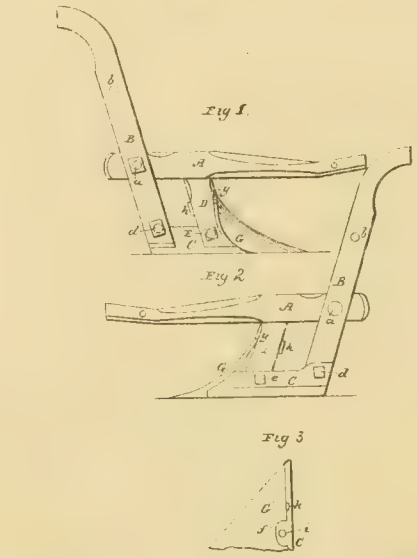
Witnesses.
L. S. Mabee

Inventor
J. R. Odell
W. S. Little
per
Munn & Co.

J. O. BILLING. 2 Sheets—Sheet 1.

Plow.

No. 110,336. Patented Dec. 20, 1870.



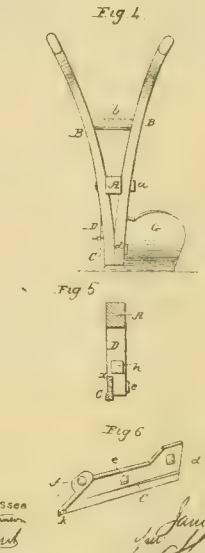
Witnesses
G. L. Lord
J. H. Hutchinson

Inventor
James O. Billing
per Alexander Mason

J. O. BILLING. 2 Sheets—Sheet 2.

Plow.

No. 110,336. Patented Dec. 20, 1870.

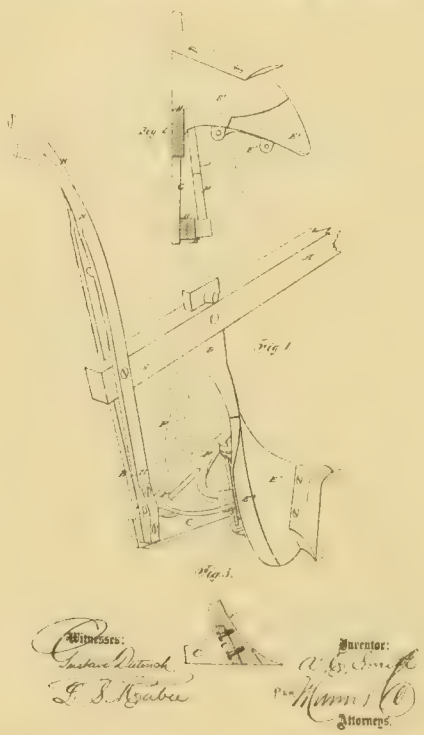


Witnesses
J. H. Hutchinson
G. L. Lord

Inventor
James O. Billing
per Alexander Mason

[illegible]

No. 110,506 Patented Dec. 27, 1870



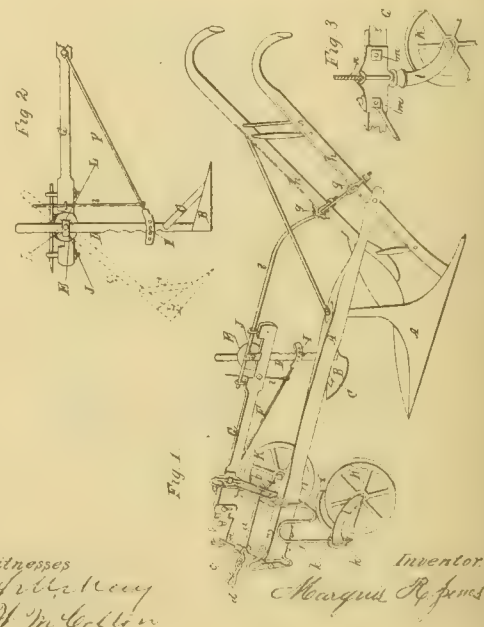
Witnesses:
Gustave Dutsch
L. B. Kraber

Inventor:
[illegible]
per [illegible]
Attorneys.

M. R. Jones.

Plow.

No. 110,660. Patented Jan. 3, 1871.



Witnesses
J. H. Kay
W. McCollin

Inventor
Marquis R. Jones

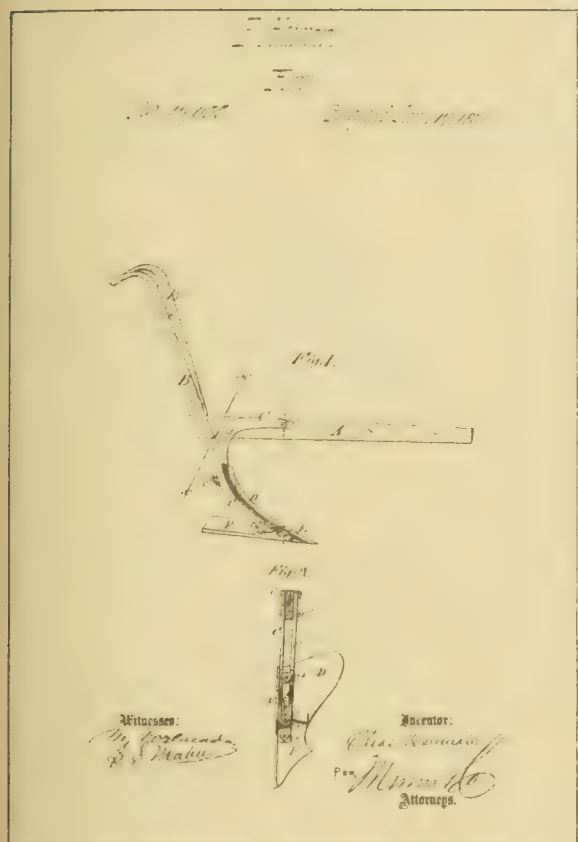
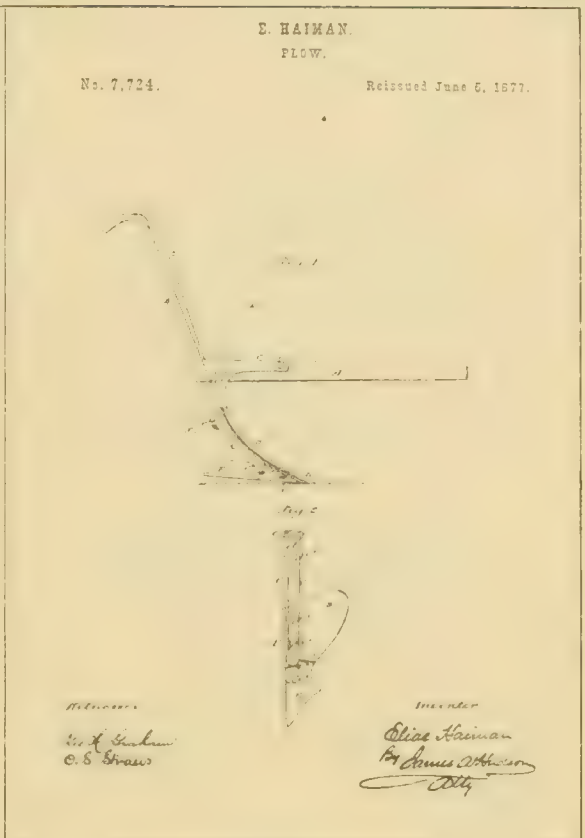
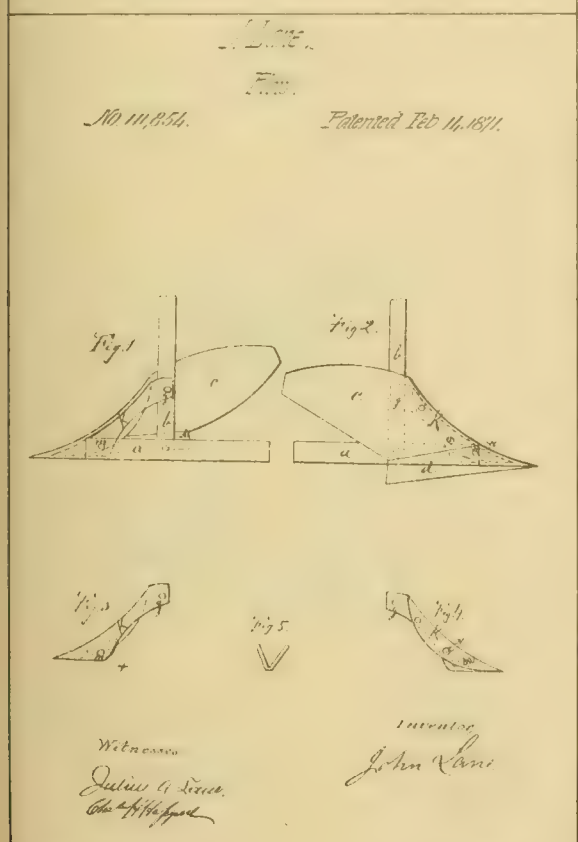
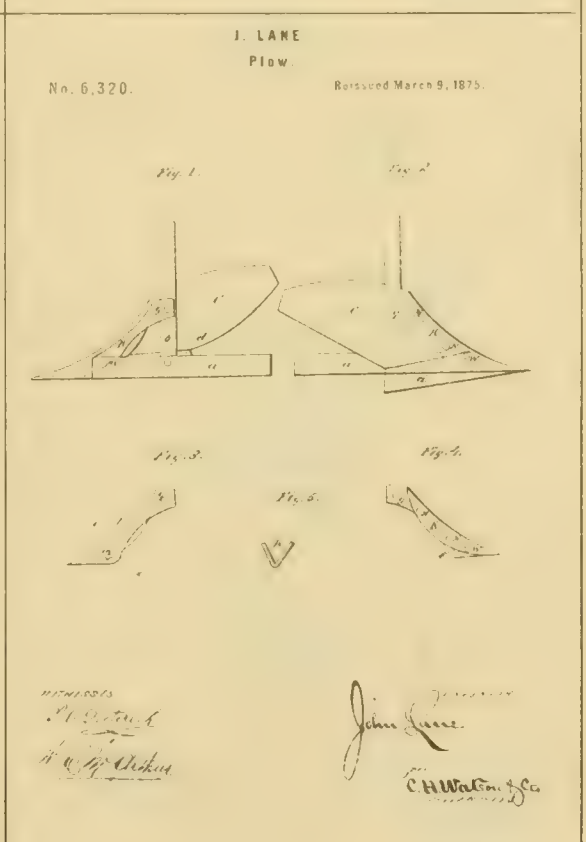


Fig. 1.
Fig. 2
Witnesses:
Inventor:
Attorneys.


E. HAIMAN.
PLOW.
No. 7,724.
Reissued June 5, 1877.
Witnesses
C. S. Straus
Inventor
Elias Haiman

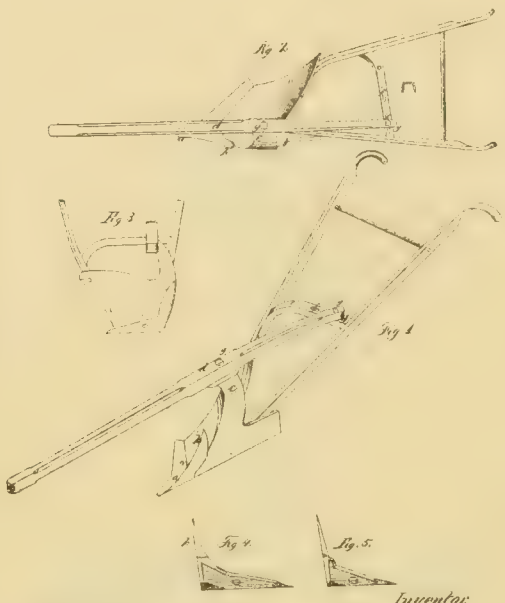

No 111,854.
Patented Feb 14, 1871.
Fig. 1
Fig. 2.
Fig. 3
Fig. 5
Fig. 4
Witnesses
Inventor
John Lane


J. LANE
Plow.
No. 6,320.
Reissued March 9, 1875.
Fig. 1.
Fig. 2
Fig. 3.
Fig. 5.
Fig. 4.
Witnesses
John Lane
C. H. Walton & Co

J. Oliver,

Plow.

No. 111,905. Patented Feb. 21 1871.



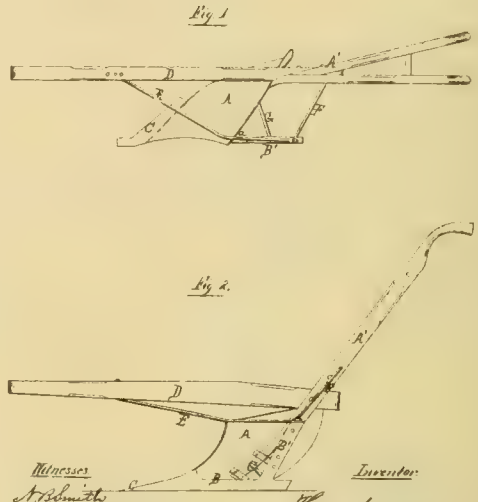
Witnesses
Gaylsmith
E. H. Brown

Inventor
James Oliver

H. Washburn

Plow

No. 112,302. Patented Feb. 28. 1871



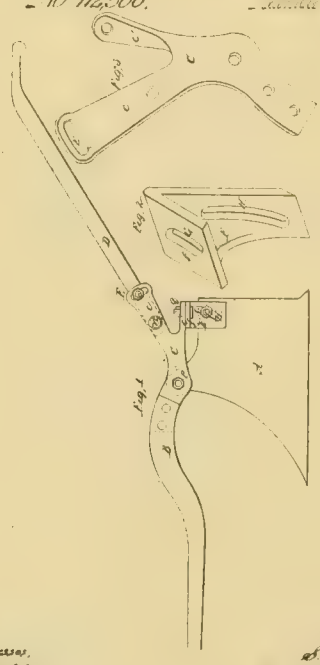
Witnesses
N. Schmitt
H. H. Doubleday

Inventor
Harvey Washburn
by A. M. Smith
Atty.

S. M. Stewart,

Plow.

No. 112,508. Patented Mar. 7. 1871.



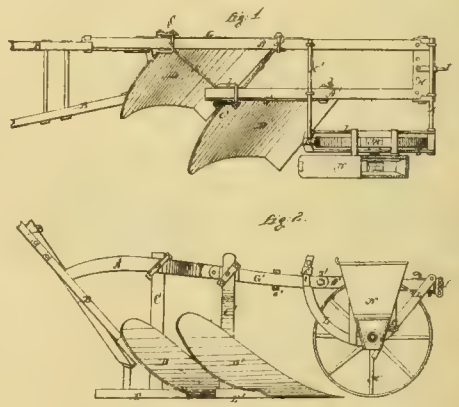
Witnesses.
R. Duff Gill
Charles Vinum.

Inventor,
S. M. Stewart
by D. C. Smart & Co
his Attys

J. L. Ford,

Wheel Plow.

No. 113,390. Patented Apr. 4. 1871.



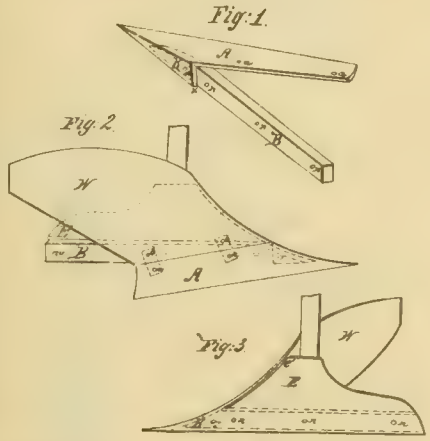
Witnesses.
Ch. L. Burt.
A. Upatmun

Inventor.
Joel L. Ford.
per
Alexander Mason
Attys

John Lane Jr.

Plow

No. 113436 Patented Apr. 4 1871.



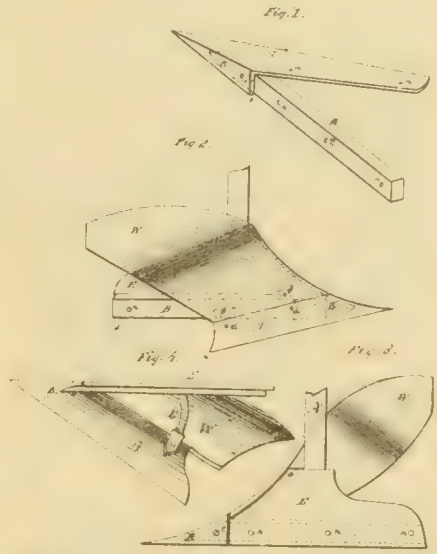
Witnesses:
Edwin Andrews
Ernest J. Lane

Inventor
John Lane Jr.

J. LANE, Jr.

Plow.

No. 6,405. Reissued April 27, 1875



Witnesses
G. C. Ostrand
H. G. Scott

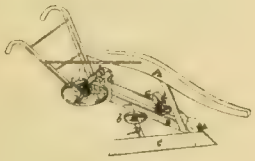
Inventor
John Lane Jr.

Per C. H. Watson & Co
Attorneys

J. Blanchard,

Plow.

No. 113484. Patented Apr. 11. 1871.



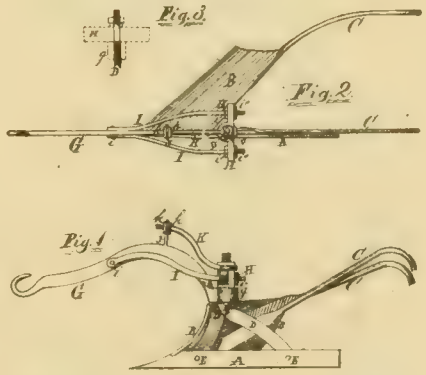
Witnesses
John W. Dick
J. F. White

Inventor
J. Blanchard
Per
T. H. Alexander
Atty

W. Britton,

Plow.

No. 113733. Patented Apr. 18. 1871.



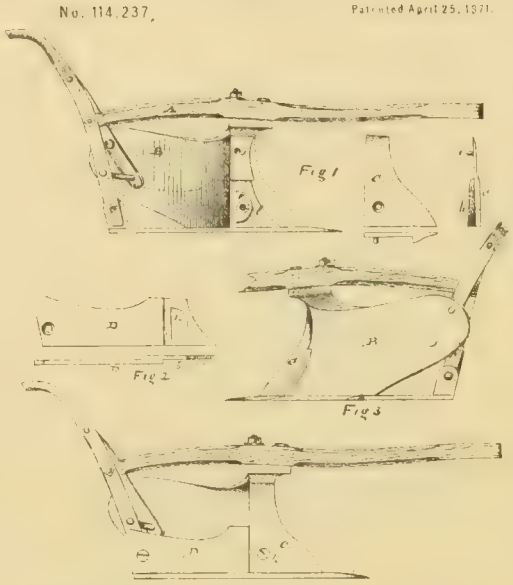
Witnesses:—
Hall R. Richards
D. N. Clarke

Inventor,
Walter Britton.
(by) W. T. B. Richards,
his atty.

ADAM WEABER.

Improvement in Plows.

No. 114,237. Patented April 25, 1871.



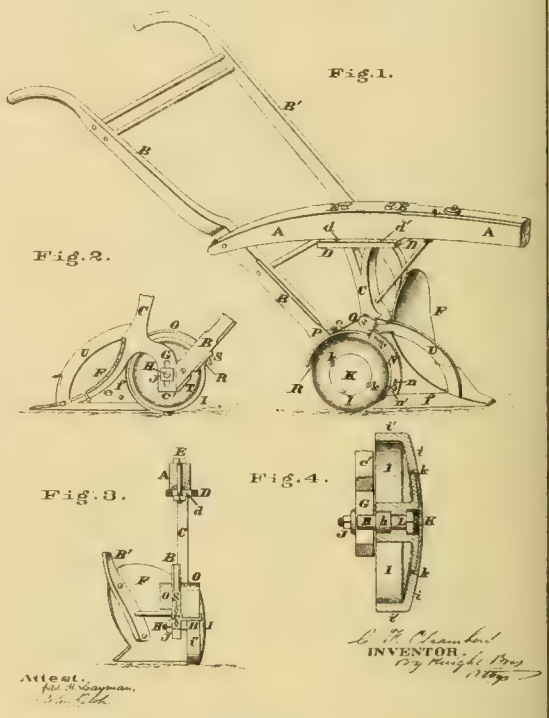
Witnesses
Fred. Otto
William Kaiser

Inventor:
Adam Weaber
By D. C. Colby & Son
Attorneys

CHARLES F. CHAMBERS

Improvement in Plows.

No. 115,701 Patented June 6, 1871



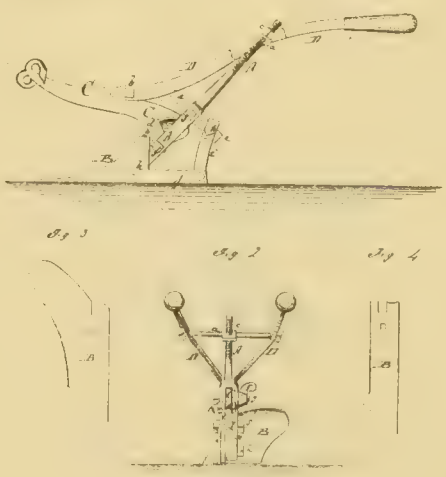
Attest.
Jos. H. Layman.
Wm. Elk.

C. F. Chambers
INVENTOR.
By Knight Bros
Attys

JOHN THOMAS STORY.

Improvement in Plows.

No. 115,907. Patented June 13, 1871.



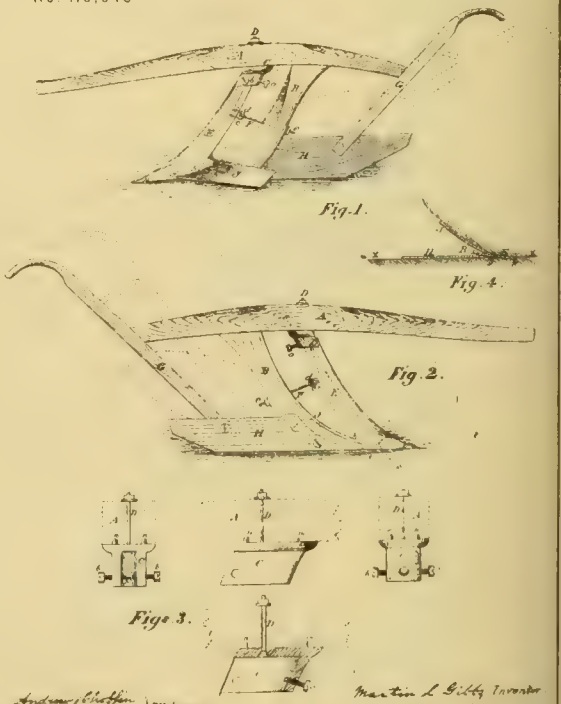
Witnesses:
Chas. N. Ott
Wm. H. G. Smith

Inventor:
J. T. Story
Per
Munn & Co
Attorneys.

M. L. GIBBS.

Plows.

No. 116,048 Patented June 20, 1871.



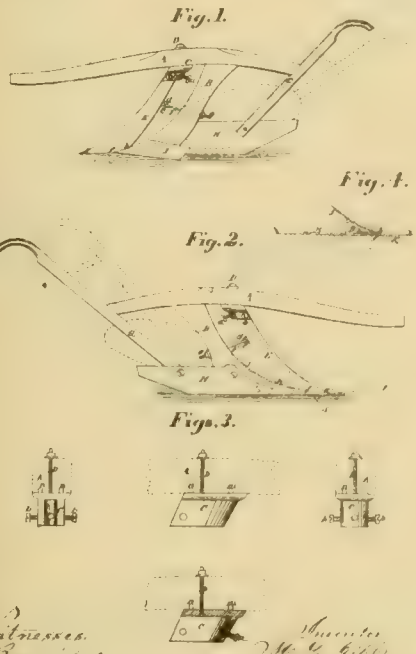
Andrew J. Griffin
H. Drummond
Witnesses

Martin L. Gibbs Inventor
by Joshua R. H. Attorney

M. L. GIBBS.

Improvement in Plows.

No. 4,943. Reissued June 11, 1872.



Witnesses.
J. H. Burridge
A. Humphrey.

Inventor
M. L. Gibbs
By Burridge & Co.
Attys.

Edward Ward's Improved Plow

117024 Patented Jul 11 1871

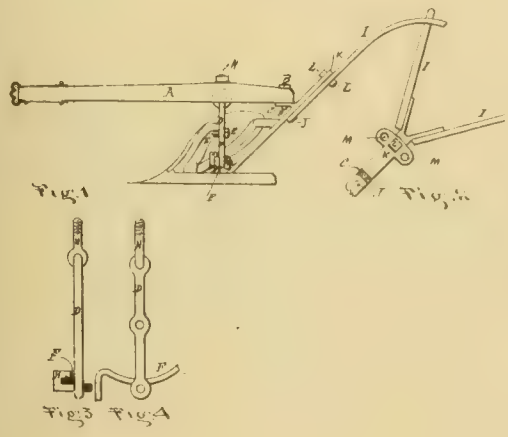
Witnesses
A. Humphrey
J. H. Burridge

Inventor
Edward Ward
by
Munn & Co.

M. P. Rose

Adjustable Plow

117335 Patented Jul 25 1871

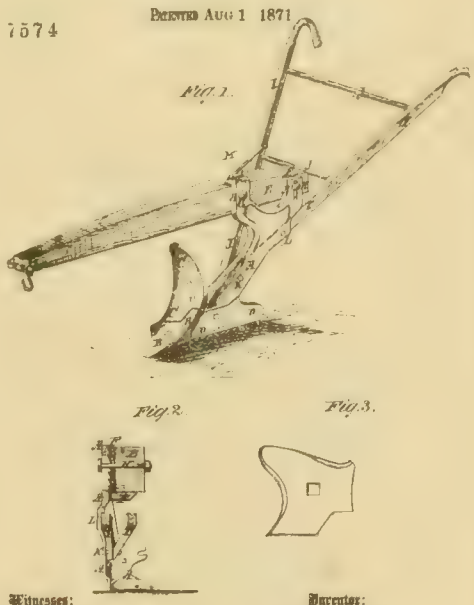


Witnesses
Brock Johnson
Jno. B. Searce

Inventor
M. P. Rose
By his Atty
W. W. Smith

P. H. Sturtie. Plow.

117574 Patented Aug 1 1871

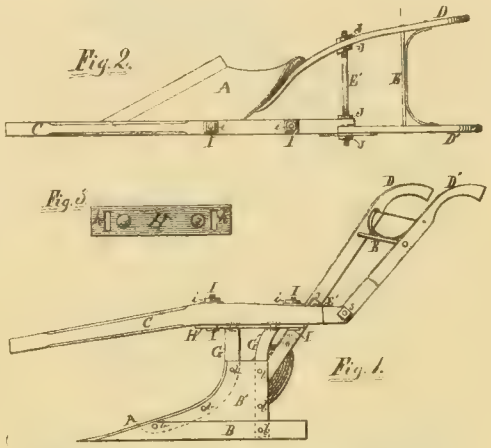


Witnesses:
John C. Becker
Wm H. Smith

Inventor:
P. H. Sturtie
per Munn & Co
Attorneys.

Samuel D. Morrison, Dennis A. Morrison, and Joseph B. Morrison.

117801 Plow. Patented Aug 8 1871



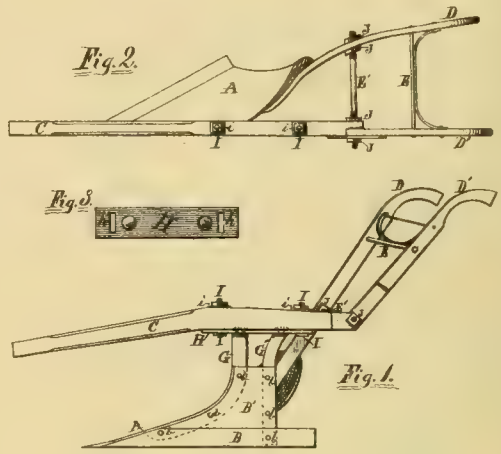
Witnesses:
J. J. Tunnicliff.
Thomas.

Inventors,
Samuel B. Morrison,
Dennis A. Morrison,
Joseph B. Morrison,
by W. D. Richards,
their Atty.

S. B. MORRISON, D. A. MORRISON, & J. B. MORRISON.

Plow.

No. 5,160. Reissued Nov. 26, 1872.



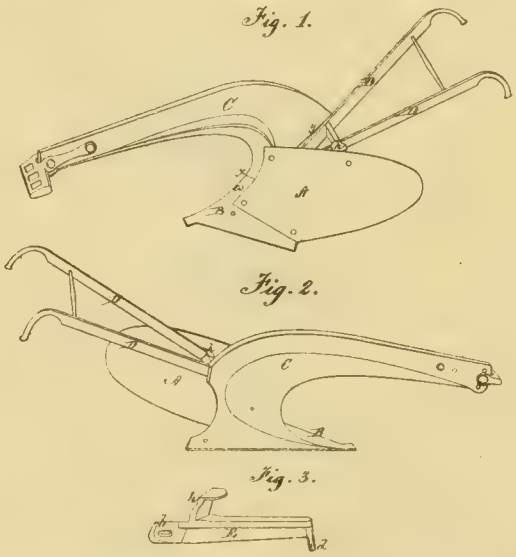
Witnesses:
J. J. Tunnicliff.
Thomas.

Inventors,
Samuel B. Morrison,
Dennis A. Morrison,
Joseph B. Morrison,
by W. D. Richards,
their Atty.

L. S. Wilson's

Improvement in Plows.

No. 118,769. Patented Sep. 5. 1871.



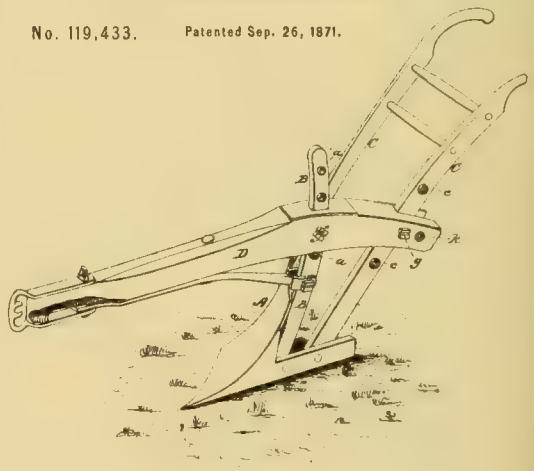
Witnesses.
C. L. Scott.
H. Dr. Mann.

Inventor.
Lewis S. Wilson

JAMES C. VERTREES.

Improvement in Plows.

No. 119,433. Patented Sep. 26, 1871.



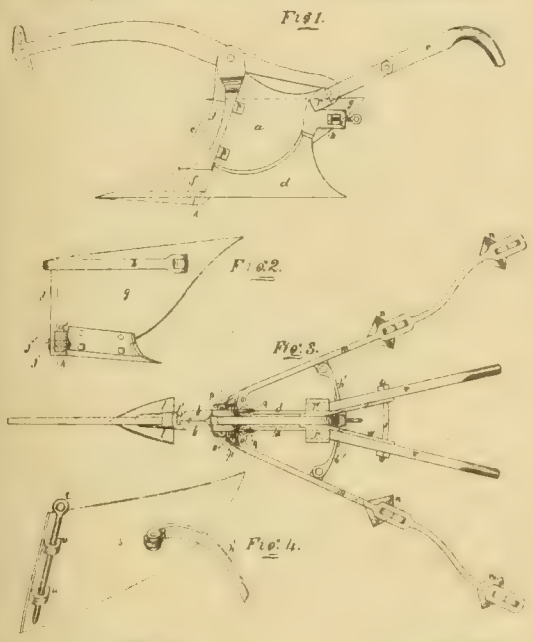
Witnesses.
Phil. T. Dodge.

Inventor.
James C. Vertrees.
by Dodge & Mann.
Attys.

MARTIN KENNEDY.

Combined Plow and Stock for Cultivators.

No. 119,618. Patented Oct. 3, 1871.



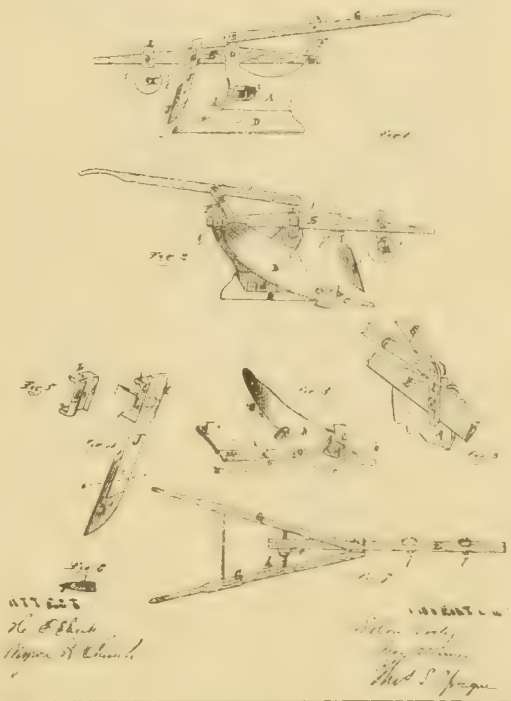
Witnesses:

Inventor:
Martin Kennedy
Per

SOLON COOLEY.

Improvement in Plows.

No. 120,718. Patented Nov. 7, 1871.

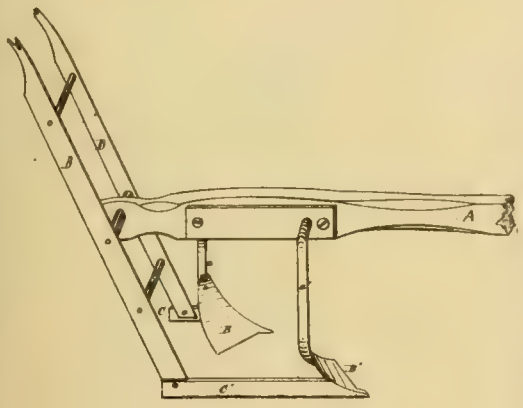


2 Sheets--Sheet 1

Wm. Yost

Improvement in Plow

No. 121,567. Patented Dec. 5, 1871.



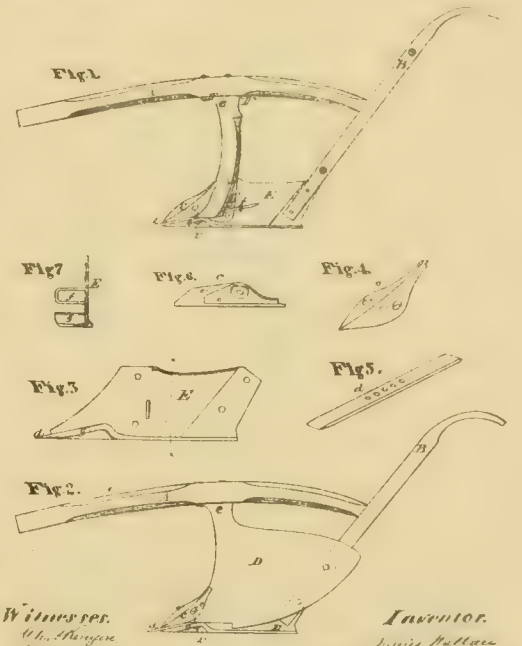
Witnesses:

Inventor
Wm. Yost by
H. W. Beadle atty.

JAMES WALLACE.

Improvement in Plows

No. 123,957. Patented Feb. 20, 1872



Witnesses.

Inventor.
James Wallace

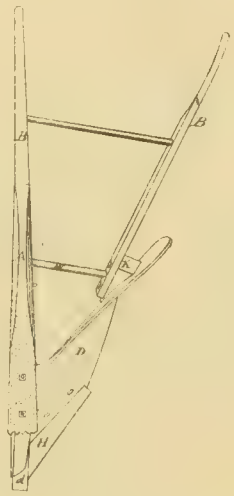
2 Sheets--Sheet 2.

JAMES WALLACE.

Improvement in Plows.

No. 123,957. Patented Feb. 20, 1872.

Fig. 3.



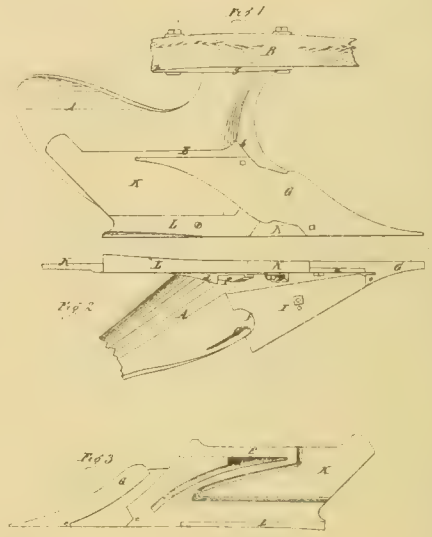
Witnesses.
Chas. Ranger.
Villette Anderson

Inventor:
James Wallace
Chapman Horner & Co

JAMES M. MOYERS & GEORGE W. MOYERS.

Improvement in Plows.

No. 125,478. Patented April 9, 1872.



Witnesses:
H. C. Strutz
Thos. D. Evans

Inventor:
Jas. M. Moyers
Geo. W. Moyers
Per

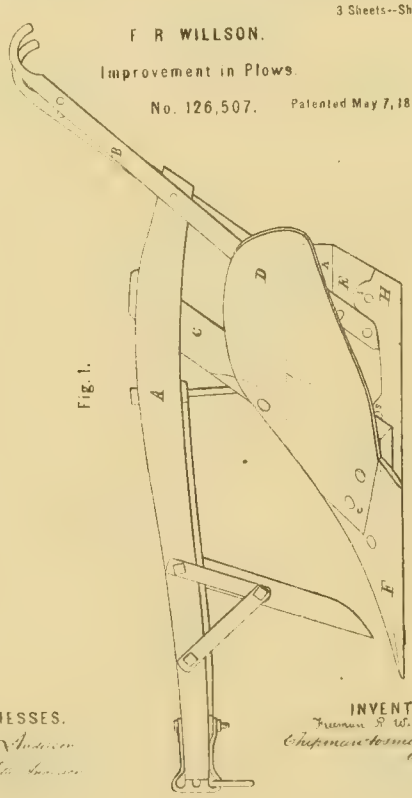
3 Sheets--Sheet 1.

F. R. WILLSON.

Improvement in Plows.

No. 126,507. Patented May 7, 1872.

Fig. 1.



WITNESSES.
A. C. Anderson
Villette Anderson

INVENTOR
Freeman R. Willson
Chapman Horner & Co
Attys

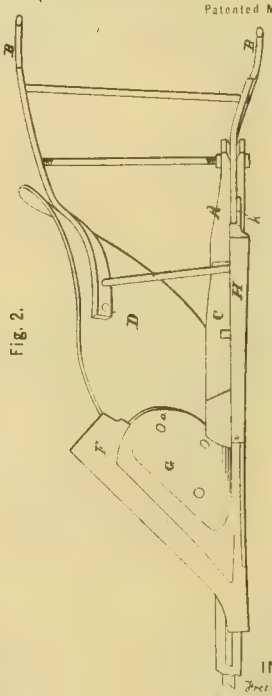
3 Sheets--Sheet 2.

F. R. WILLSON.

Improvement in Plows.

No. 126,507. Patented May 7, 1872.

Fig. 2.



WITNESSES.
A. C. Anderson
Villette Anderson

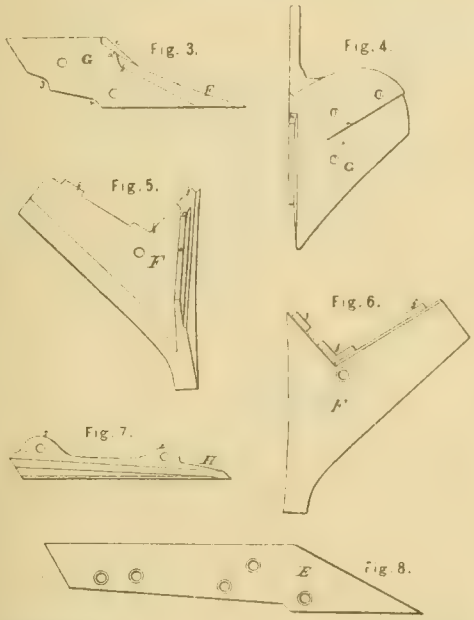
INVENTOR
Freeman R. Willson
Chapman Horner & Co
Attys

3 Sheets--Sheet 3.

F. R. WILLSON.

Improvement in Plows.

No. 126,507. Patented May 7, 1872.



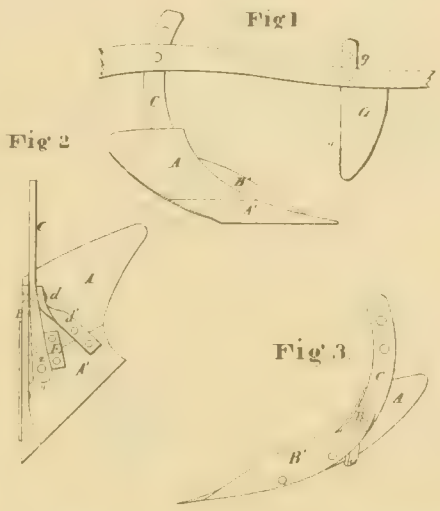
WITNESSES.

INVENTOR.

H. B. SMITH.

Improvement in Plows.

No. 127,110. Patented May 21, 1872.



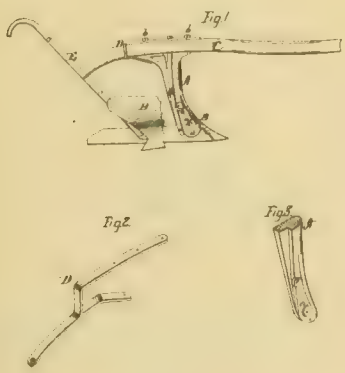
WITNESSES

INVENTOR

G. SHELTON.

Improvement in Plows.

No. 127,650. Patented June 4, 1872.



Witnesses.

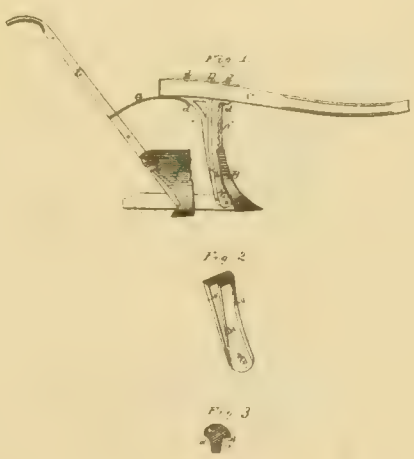
Inventor

Attorneys.

G. SHELTON.

Plows.

No. 5,530. Reissued August 12, 1873.



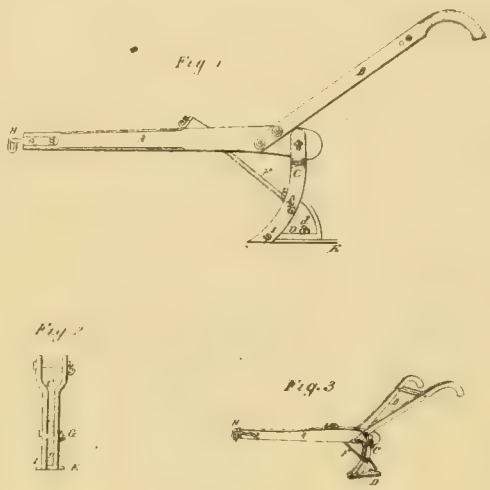
WITNESSES.

INVENTOR

A. B. FARQUHAR.

Improvement in Plows.

No. 127,970. Patented June 18, 1872.



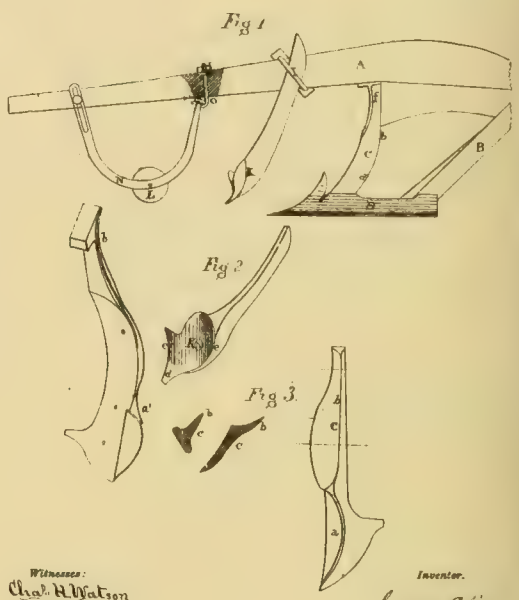
Witnesses

Inventor
A B Farquhar

JAMES OLIVER.

Improvement in Plows.

No. 128,061. Patented June 18, 1872.



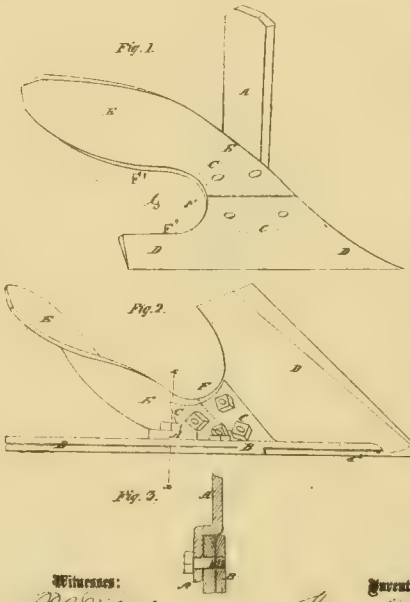
Witnesses:
Chas. H. Watson
O. Lehmann

Inventor.
James Oliver

WILLIAM K. HARRELL.

Improvement in Plows.

No. 128,141. Patented June 18, 1872.



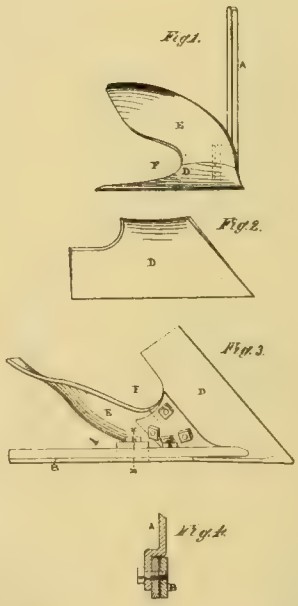
Witnesses:
P. C. Dieterich
Gustavus Dieterich

Inventor:
William K. Harrell
Per Munn & Co.
Attorneys.

W. K HARRELL.

PLOW.

No. 6,804. Reissued Dec. 14, 1875.



Witnesses
D. B. Stuart

Inventor
William K. Harrell
(Q) A. Dietrich

WILLIAM PARRISH.

Improvement in Gang-Plow.

No. 128,245. Patented June 25, 1872.

Fig. 1.

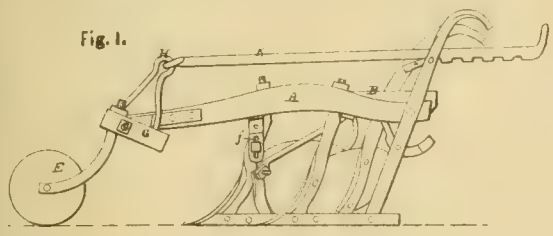
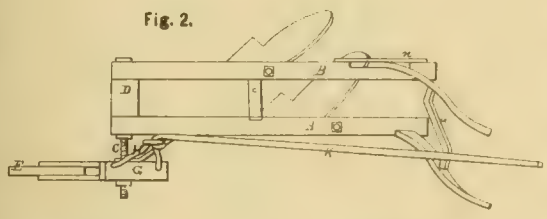


Fig. 2.



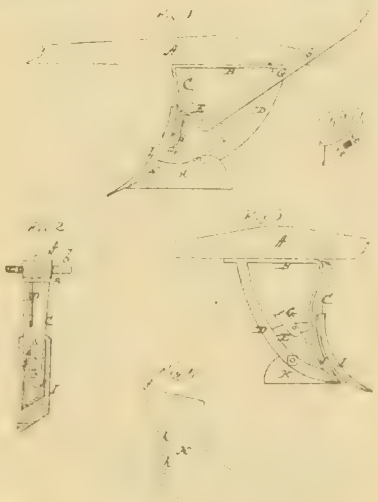
WITNESSES.
E. M. Bates
J. E. Upham.

INVENTOR.
William Parrish
Edmund Strong & Co
Attys.

J. W. DOWNS.

Improvement in Plows.

No. 129,112. Patented July 16, 1872



Witnesses
Inventor

T. E. PUTNAM.

Improvement in Plows.

No. 129,296 Patented July 16, 1872.

Fig. 1

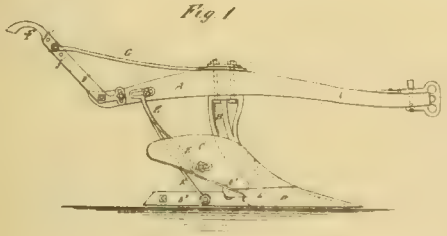
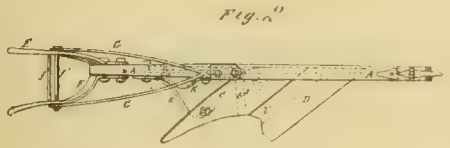


Fig. 2



Witnesses:
A. M. Hopkins
N. G. Graham

Inventor:
Thomas Edwin Putnam
per Munn & Co.
Attorneys.

W. RALL

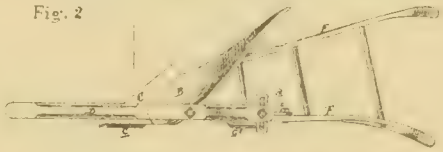
Plow

No 129,364. Patented July 16, 1872.

Fig. 3

Fig. 1

Fig. 2



Witnesses:
H. S. Sprague
H. F. Ehrlich

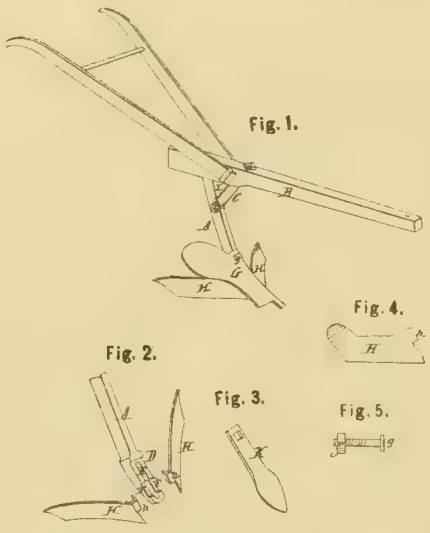
Fig. 4

Inventor:
Wm Rall
by Dell
Atty. H. S. Sprague

C. T. KEE.

Improvement in Plows.

No. 129,964. Patented July 30, 1872.



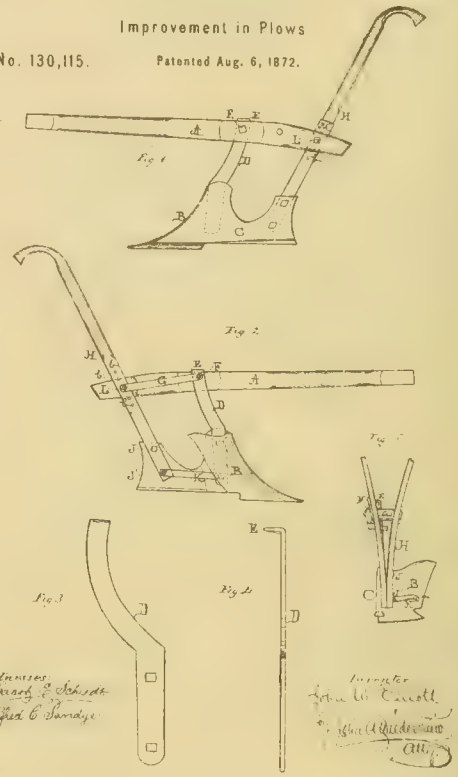
WITNESSES.

INVENTOR.

J. W. ELLIOTT.

Improvement in Plows

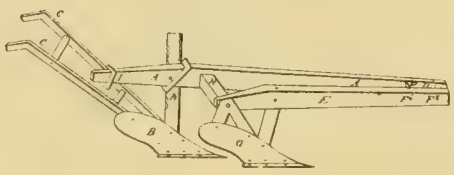
No. 130,115. Patented Aug. 6, 1872.



C. BATES.

Improvement in Plows.

No. 130,180. Patented Aug. 6, 1872.



Witnesses:

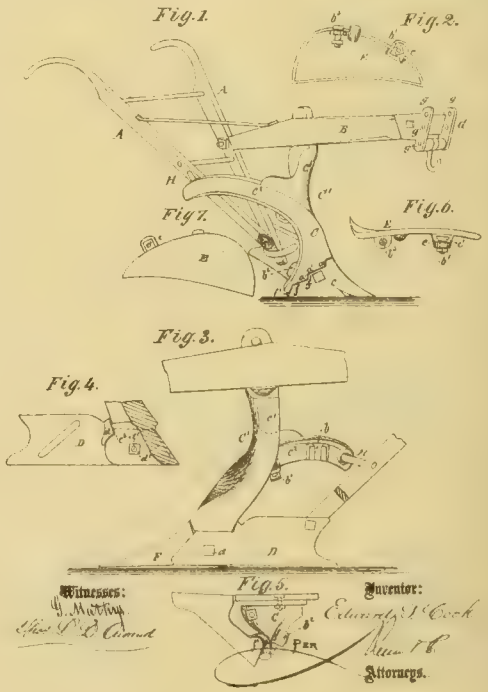
Inventor:

Charles Bates

E. S. COOK

Improvement in Plows.

No. 130,196. Patented Aug. 6, 1872.



Witnesses:

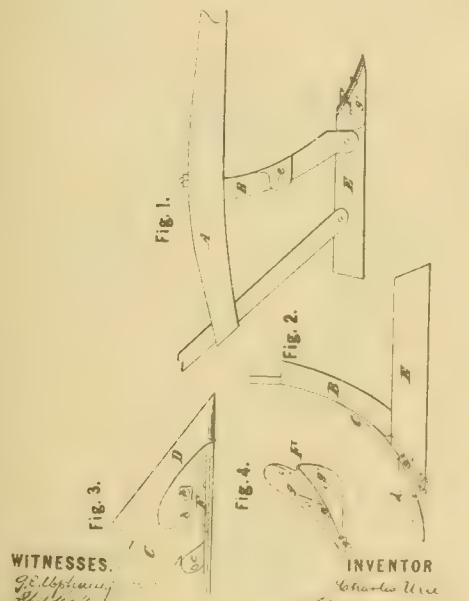
Inventor:

Attorneys.

C. URIE.

Improvement in Plows.

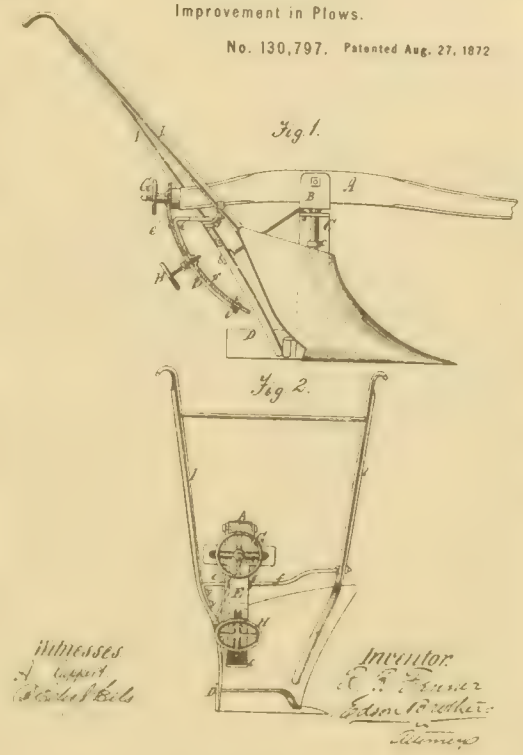
No. 130,773. Patented Aug. 20, 1872



R. R. FENNER.

Improvement in Plows.

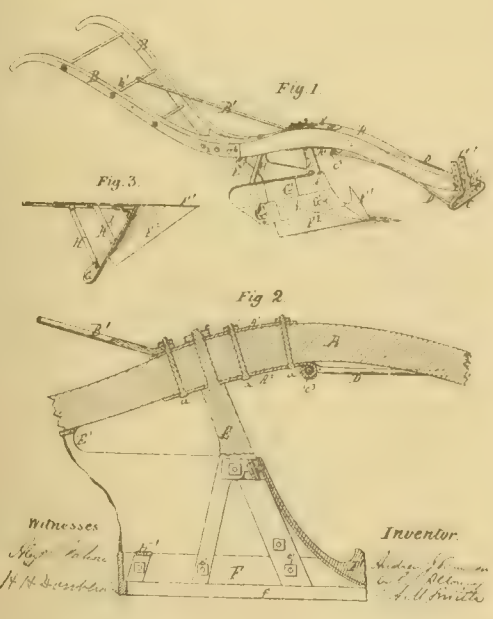
No. 130,797. Patented Aug. 27, 1872



A. J. BONANDER.

Improvement in Plows.

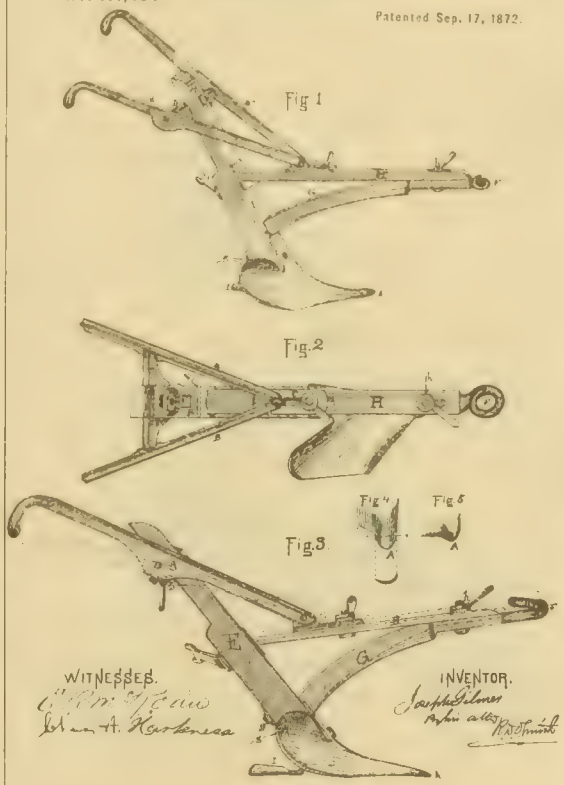
No. 131,243 Patented Sep. 10, 1872



J. GILMER.

No. 131,434. Improvement in Plows

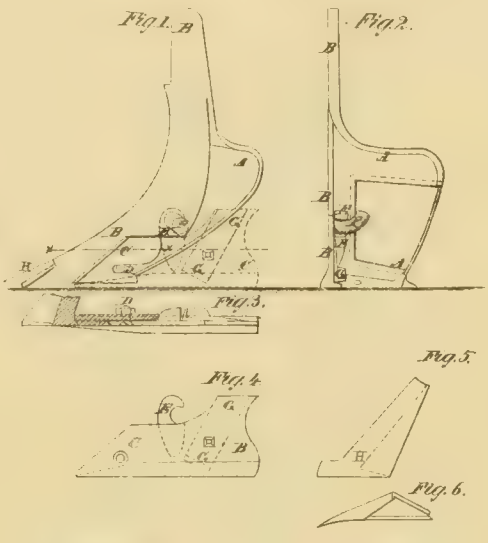
Patented Sep. 17, 1872.



S. J. LEACH.

Improvement in Plows.

No. 132,295. Patented Oct. 15, 1872.



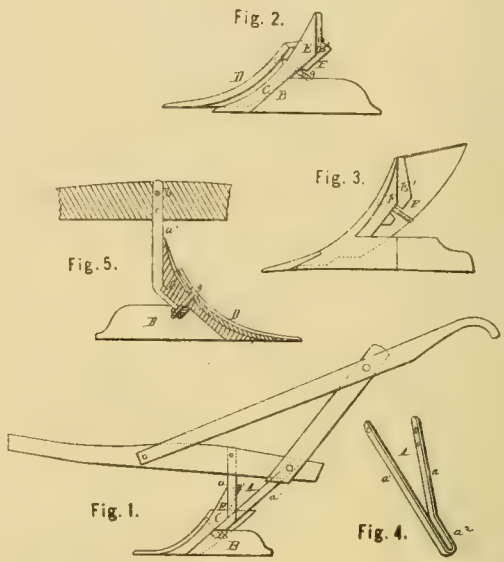
Witnesses:
John Becker
L. C. Sedgwick

Inventor:
S. J. Leach
per Munn & Co
Attorneys.

F. M. McMEEKIN.

Improvement in Plows.

No. 132,679. Patented Oct. 29, 1872.



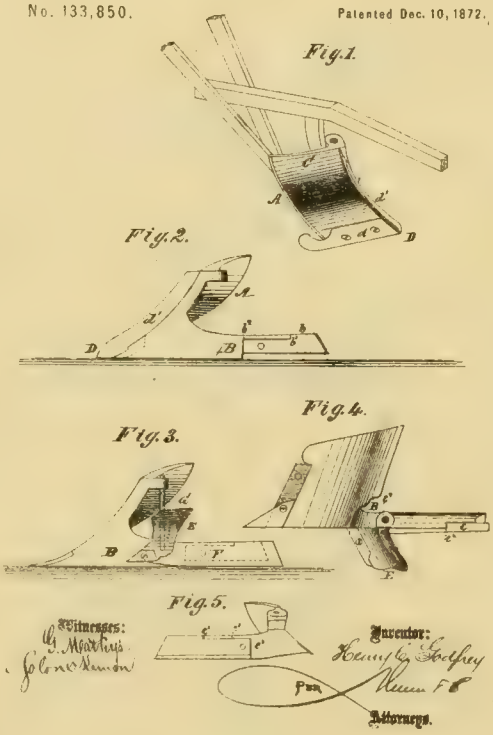
WITNESSES.
William Anderson
Geo. Ellphane.

INVENTOR.
F. M. McMeekin,
Chipman Forman & Co

H. C. GODFREY.

Cotton Plows.

No. 133,850. Patented Dec. 10, 1872.



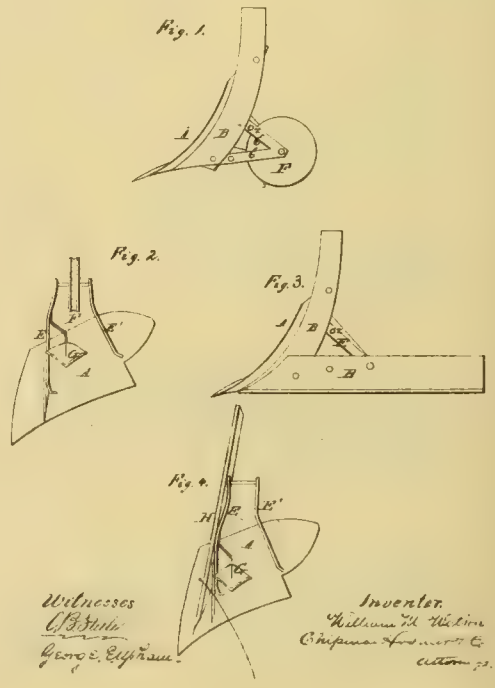
Witnesses:
C. Mortius
J. Lone Denson

Inventor:
Henry C. Godfrey
per Munn & Co
Attorneys.

W. M. WATSON.

Plows.

No. 134,716. Patented Jan. 7, 1873.



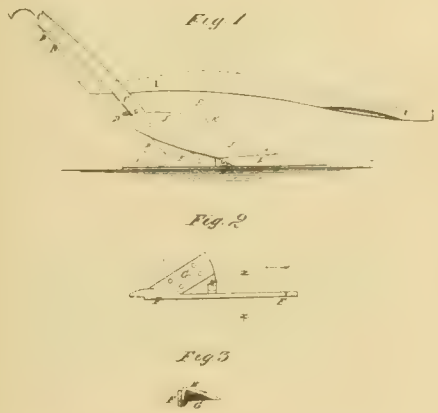
Witnesses
C. B. Stiles
George E. Ellphane.

Inventor.
William M. Watson
Chipman Forman & Co.
Attorneys.

J. W. REED.

Plows.

No. 135,289 Patented Jan. 28, 1873



Witnesses:

Inventor:

Per

Attorneys.

H. SELICK.

Plows.

No. 135,850. Patented Feb. 11, 1873.

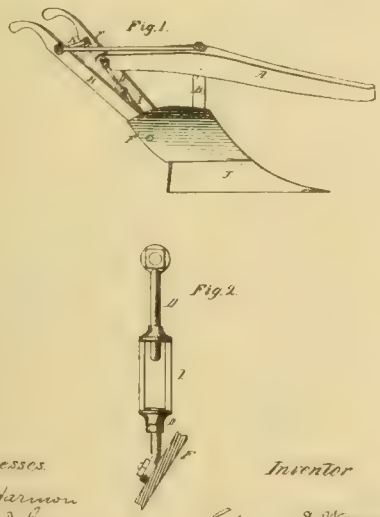
Witness

Attorney

G. D. WYMAN.

Plows.

No. 136,120. Patented Feb. 18, 1873.



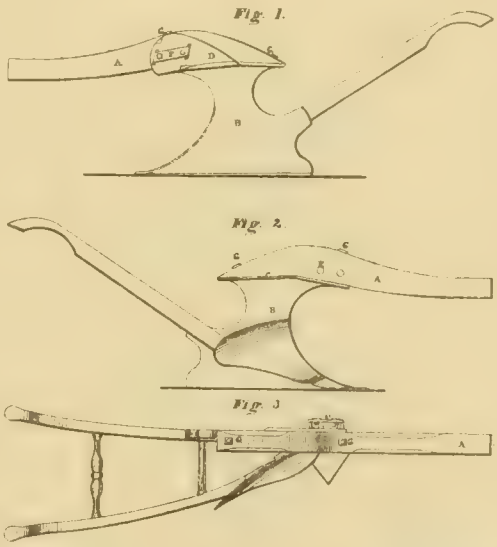
Witnesses.

Inventor

N. BURCH.

Plows.

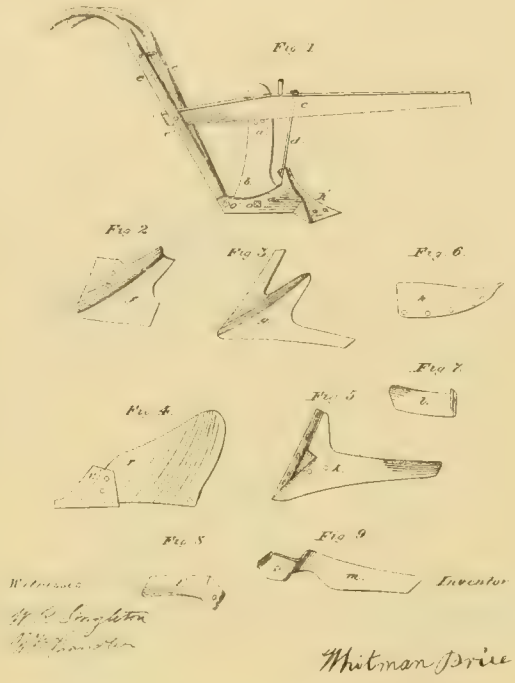
No. 136,361. Patented March 4, 1873.



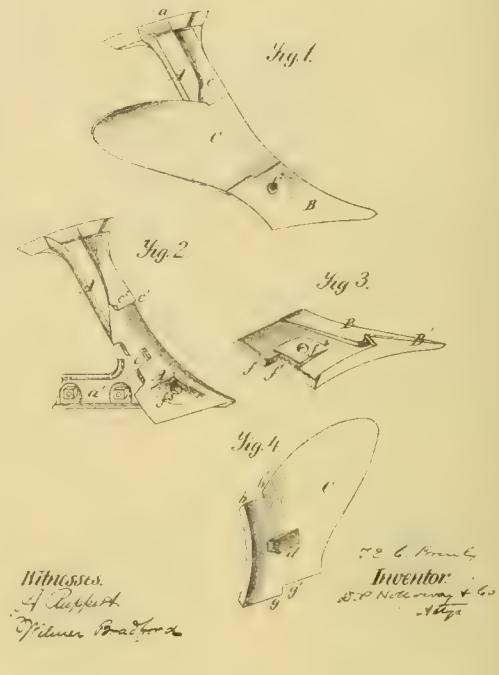
Witnesses.

Inventor.

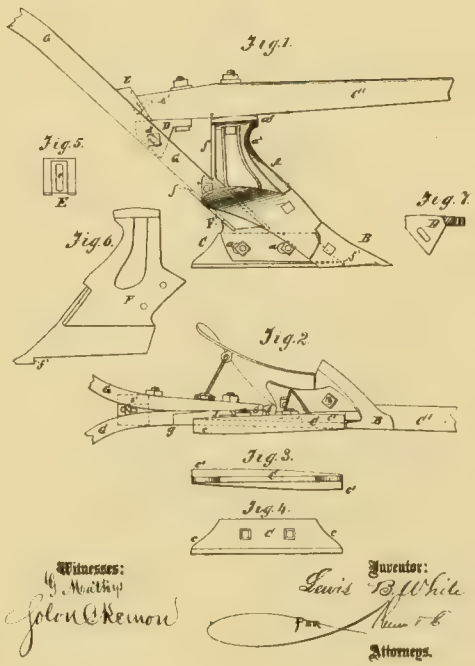
W. PRICE.
Plows.
No. 137,716 Patented April 8, 1873.



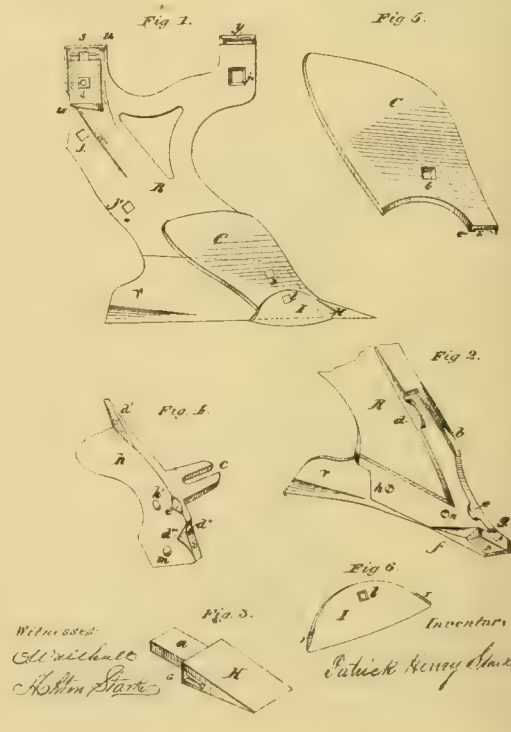
T. E. C. BRINLY.
Plows.
No. 140,004 Patented June 17, 1873.



L. B. WHITE.
Plows.
No. 140,749. Patented July 8, 1873.



P. H. STARKE.
Plows.
No. 141,960. Patented August 19, 1873

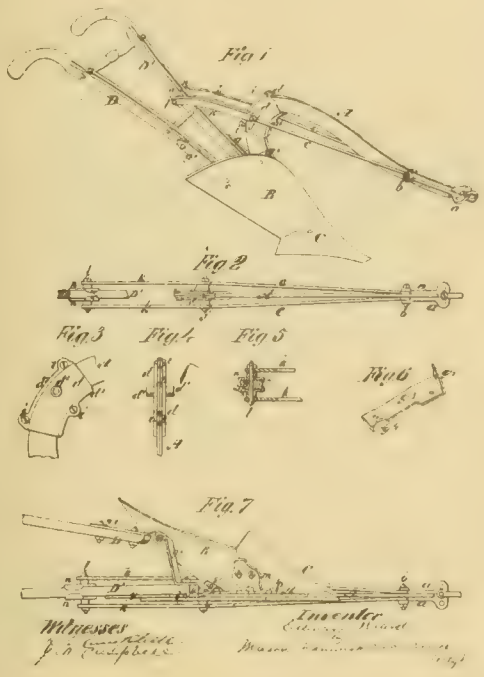


2 Sheets--Sheet 1.

E. WIARD

Plows

No. 142,136. Patented August 26, 1873.

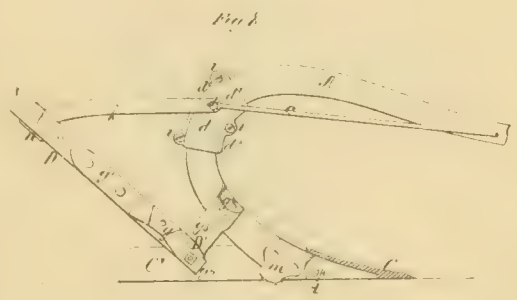


2 Sheets--Sheet 2

E. WIARD

Plows

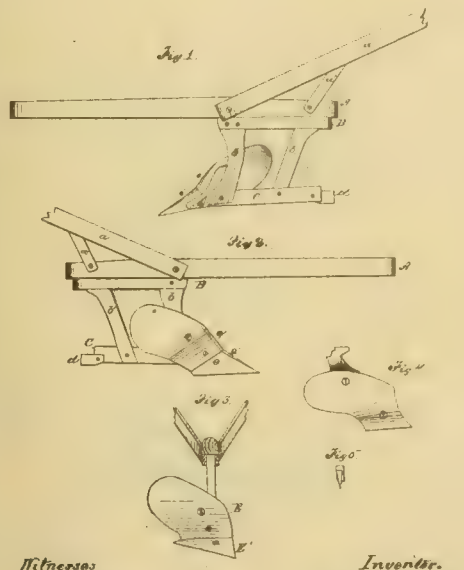
No. 142,136 Patented August 26, 1873



C. MARSH, 2nd.

Plows.

No. 142,800. Patented September 16, 1873.



S. W. SOULE.

Plows.

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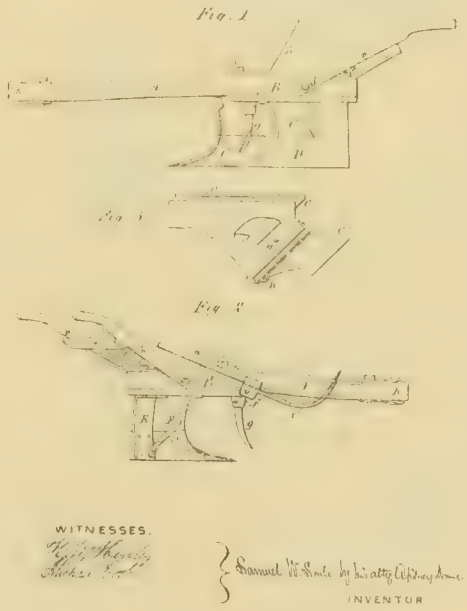

J. L. LAUGHLIN.
Plows.
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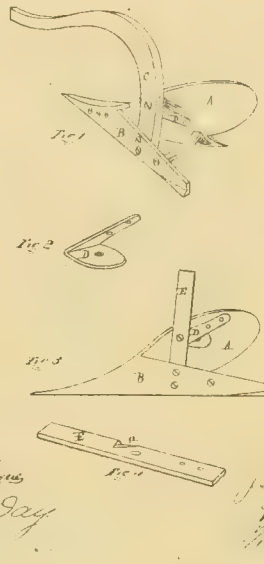
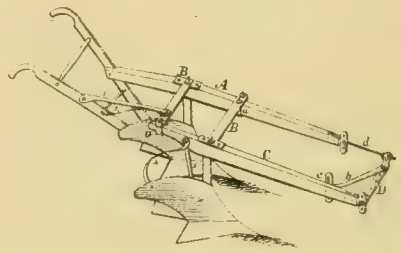
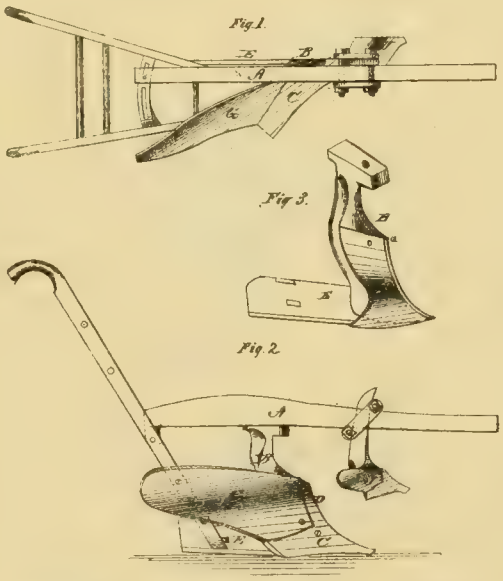


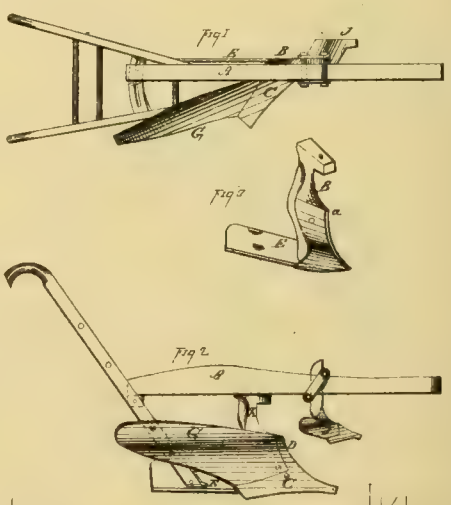
W. C. McCOOL.
Plows.
No. 144,552. Patented Nov. 11, 1873.



J. OLIVER.
Plows.
No. 144,785. Patented Nov. 18, 1873.



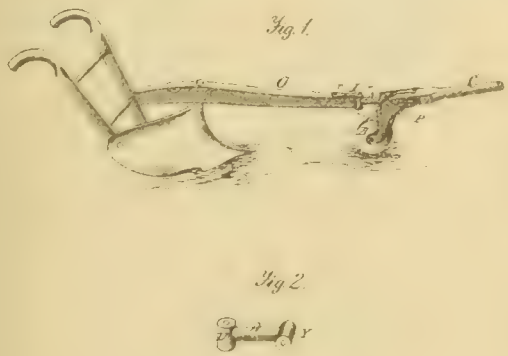
J. OLIVER.
PLOW
No. 7,097. Reissued May 2, 1876.



N. WESTCOTT.

Draft Attachments for Plows.

No. 144,811. Patented Nov. 18, 1873.



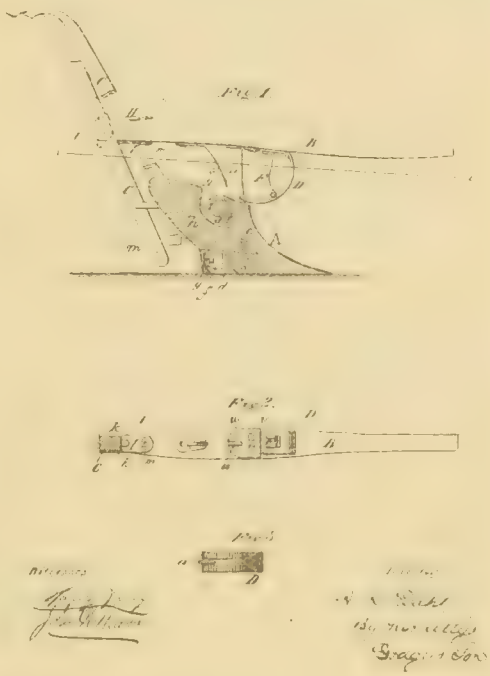
Witnesses.

Inventor.

A. K. DAHL.

Plows.

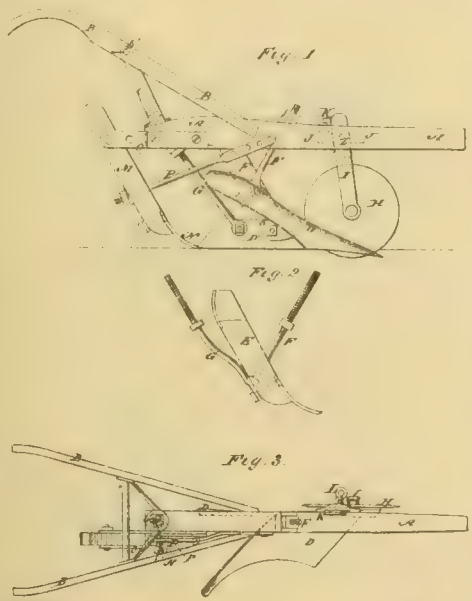
No. 144,960. Patented Nov. 25, 1873.



R. A. BROWN.

Plows.

No. 145,088. Patented Dec. 2, 1873.



Witnesses.

Inventor.

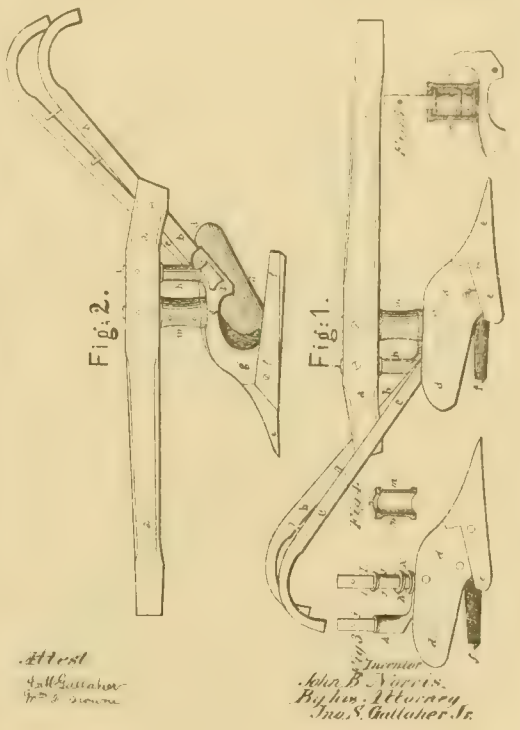
Per

Attorneys.

J. B. NORRIS.

Plows.

No. 145,120 Patented Dec. 2, 1873.



Attest

Inventor

John B. Norris.

By his Attorney

Jno. S. Gallaher Jr.

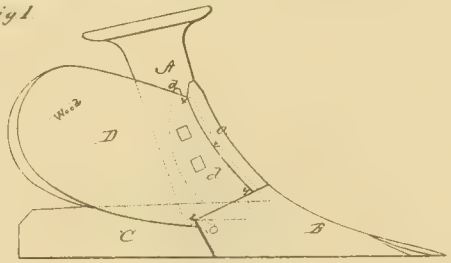
2 Sheets--Sheet 1.

J. J. MITCHELL.

Plows.

No. 146,088. Patented Dec. 30, 1873.

Fig 1



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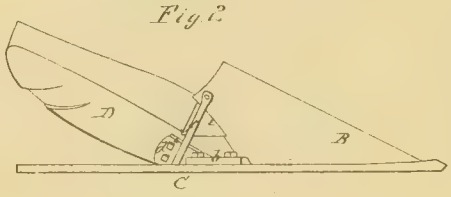


Witnesses
E. H. Bates
George E. Upham.

Inventor:
John J. Mitchell,
Chipman & Emmons
Attys

2 Sheets--Sheet 2.

J. J. MITCHELL.

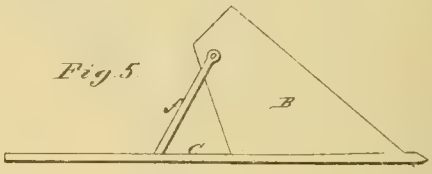
Plows.

No. 146,088. Patented Dec. 30, 1873.

Fig. 3

Fig. 4.

Fig. 5.



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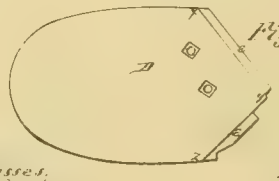


Witnesses.
E. H. Bates.
George E. Upham.

Inventor
John J. Mitchell
Chipman & Emmons
Attys

J. C. BIDWELL.

Plows.

No. 147,233. Patented Feb. 10, 1874.

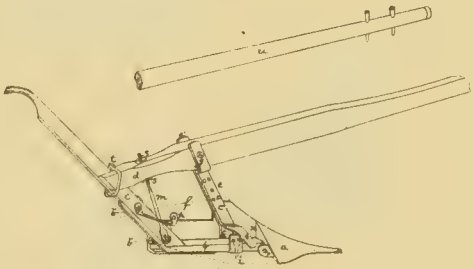


Fig 1.

Fig 2.

Witnesses
Frederick Staudach
James D. Lang

Inventor
John C. Bidwell
by his attys
Bakewell & Brady
Wash

G. W. RUCH.

Plows.

No. 147,979. Patented Feb. 24, 1874.

Fig 2.

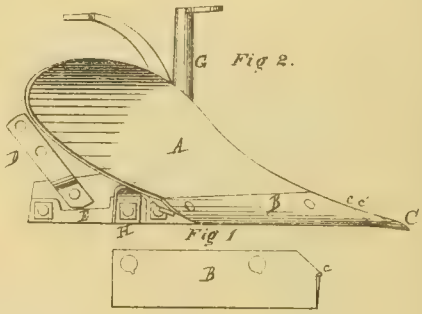
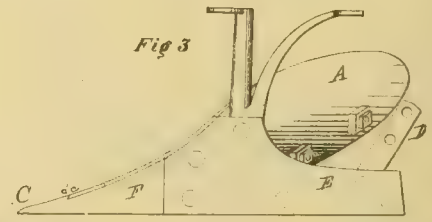


Fig 1

Fig 3



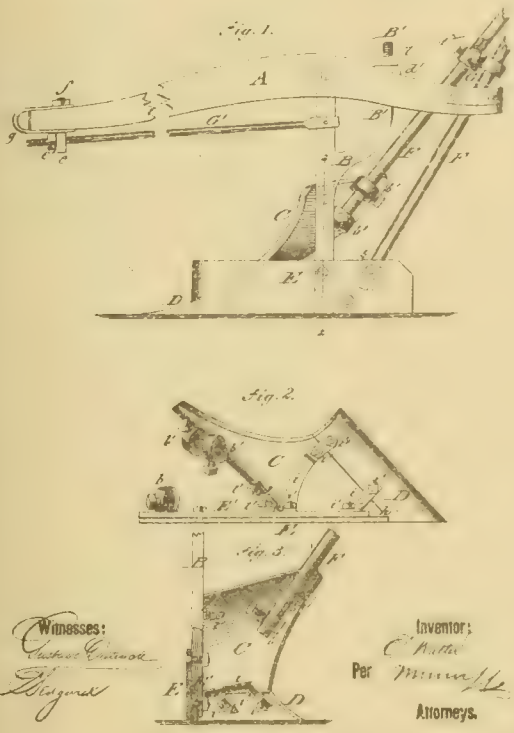
Witnesses
Wm. Spencer Ross
Lorenzo Frank

Inventor.
George W. Ruch

E. WALTER.

Plows.

No. 148,786 Patented March 17, 1874.



Witnesses:

Inventor;

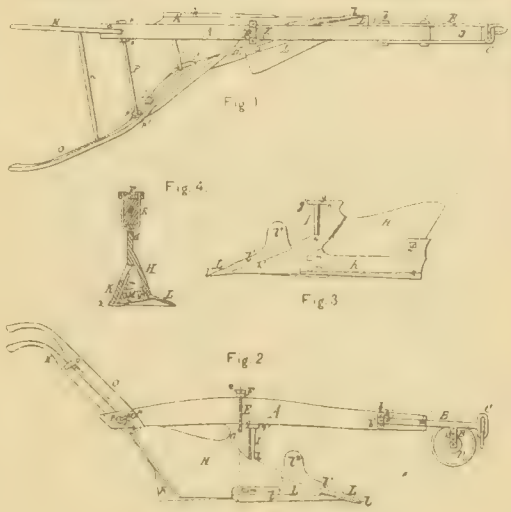
Per

Attorneys.

H. JONES.

Plows.

No. 149,314. Patented April 7, 1874.



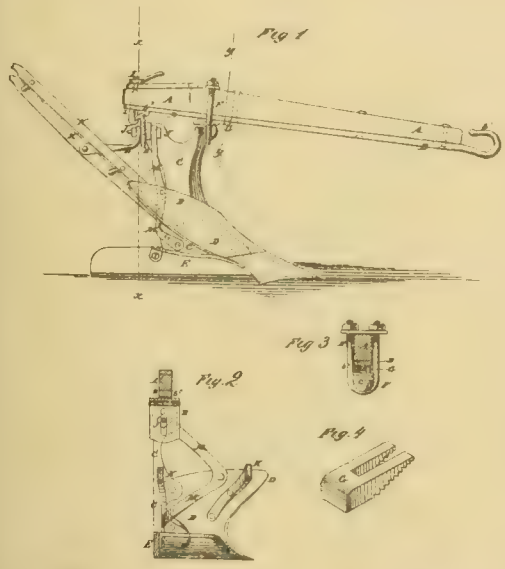
WITNESSES

INVENTOR

J. M. TINGLEY.

Plows.

No. 149,694. Patented April 14, 1874.



WITNESSES.

INVENTOR.

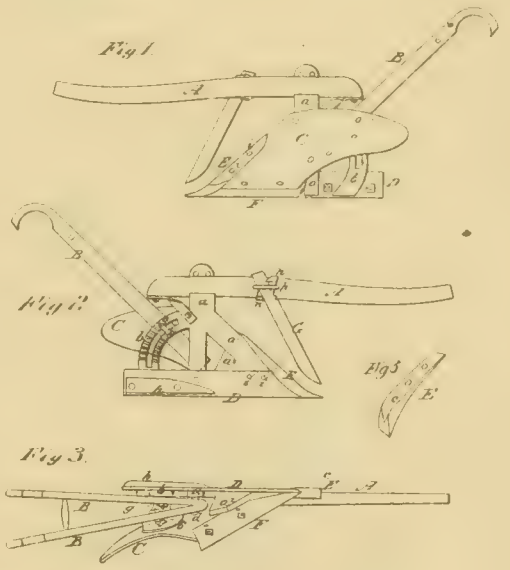
BY

ATTORNEYS.

J. W. LOWE.

Plows.

No. 150,062. Patented April 21, 1874.



Witnesses

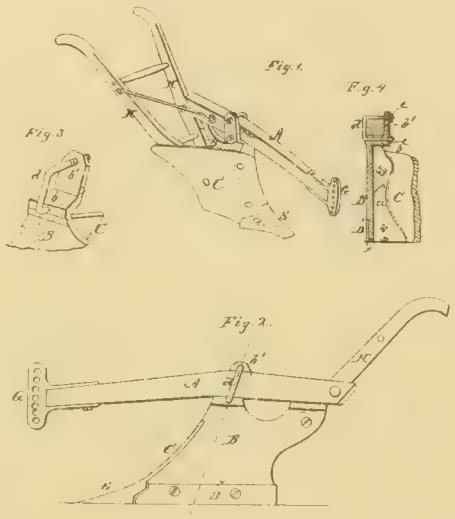
Inventor.

Attys

M. D. WALSH.

Plows.

No. 150,207. Patented April 28, 1874.



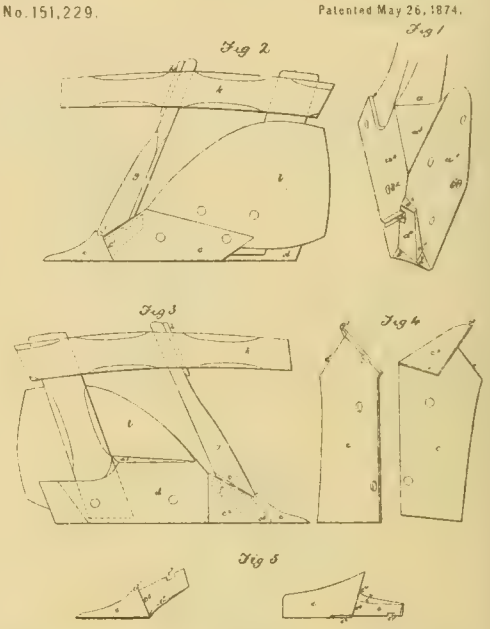
WITNESSES
King H. Miller
C. L. Ewart

INVENTOR
Michael D. Walsh.
By Munn & Co.
Attorneys.

J. KUENZEL

Plows.

No. 151,229. Patented May 26, 1874.



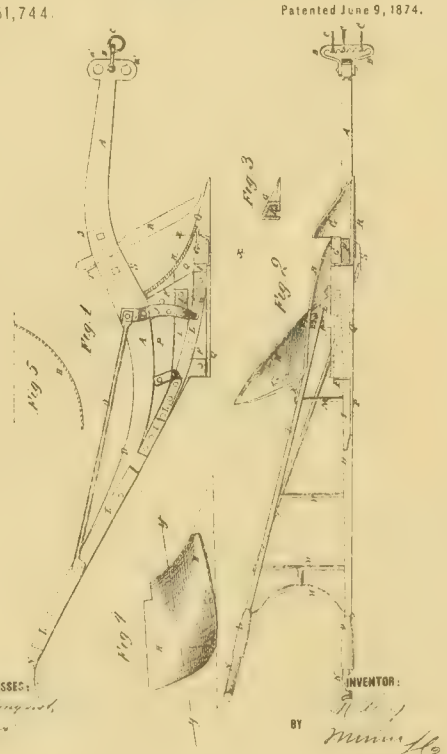
Witnesses
Chas. Hoock
W. Barnes

Inventor
Jacob Kuenzel
by G. H. Fox & Co.
Attorneys

M. BARRY.

Plows.

No. 151,744. Patented June 9, 1874.



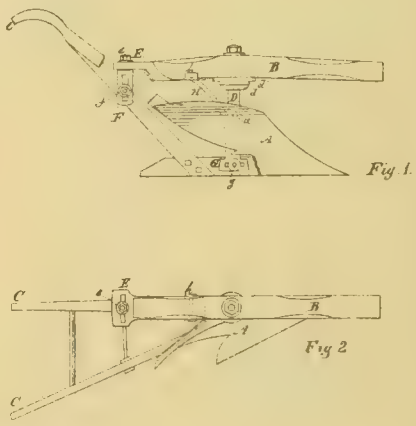
WITNESSES:
A. H. Wengerd
Chas. [illegible]

INVENTOR:
M. Barry
BY
Munn & Co.
ATTORNEYS.

F. RENAK.

Plows.

No 152,007. Patented June 16, 1874.



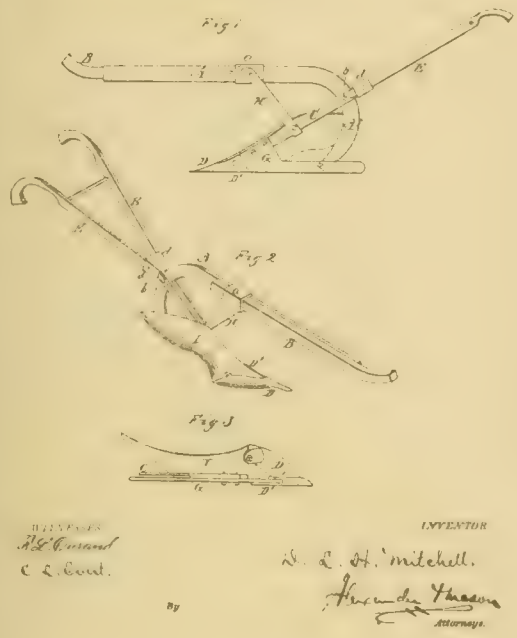
Witnesses
Francis F. Thomas
J. L. Colburn

Inventor
Franck Renak
By Coburn & Thomas
his Attorneys

D. L. H. MITCHELL.

Plows.

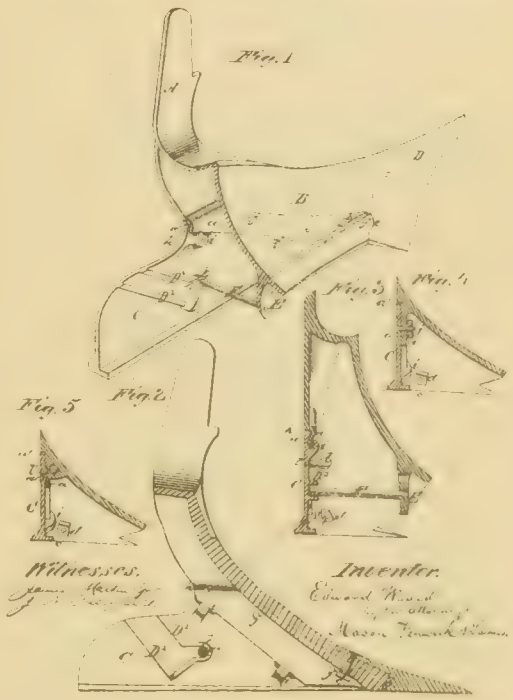
No. 152,150 Patented June 16, 1874.



E. WIARD.

Plows.

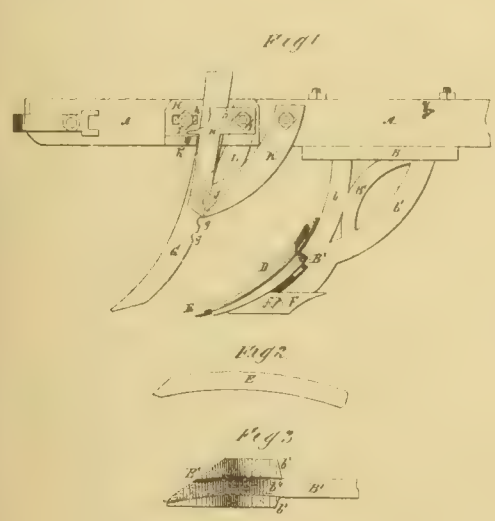
No 152,445 Patented June 23, 1874.



M. F. WHITE

Plows.

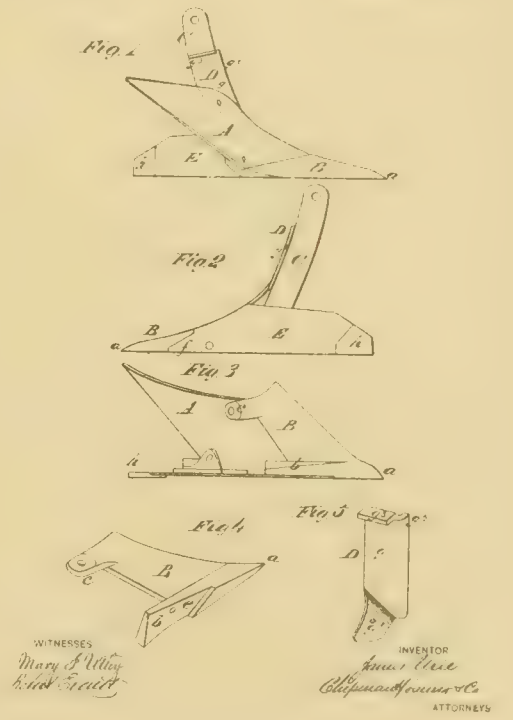
No. 153,645 Patented July 28, 1874.



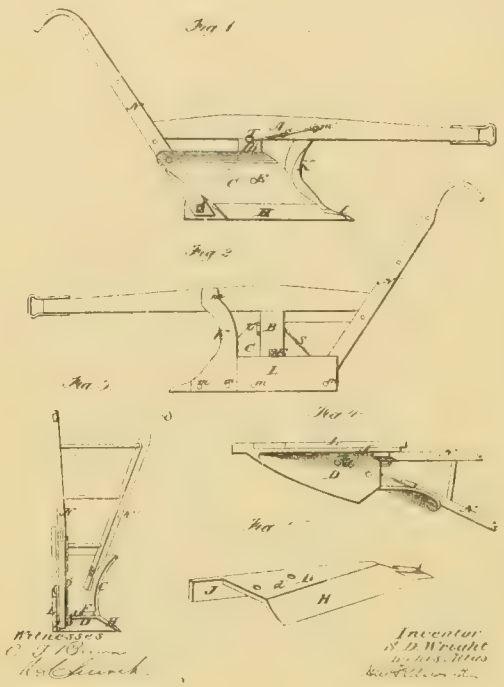
J. URIE.

Plows.

No. 156,609. Patented Nov. 3, 1874.



S. D. WRIGHT
Plows
No 157,057. Patented Nov. 17, 1874.



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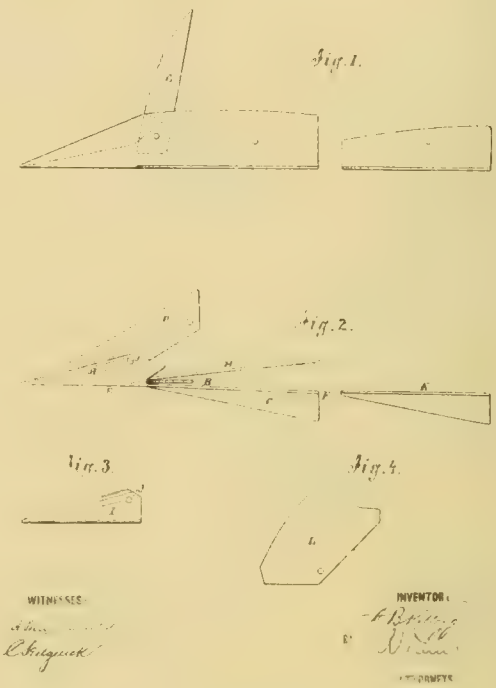
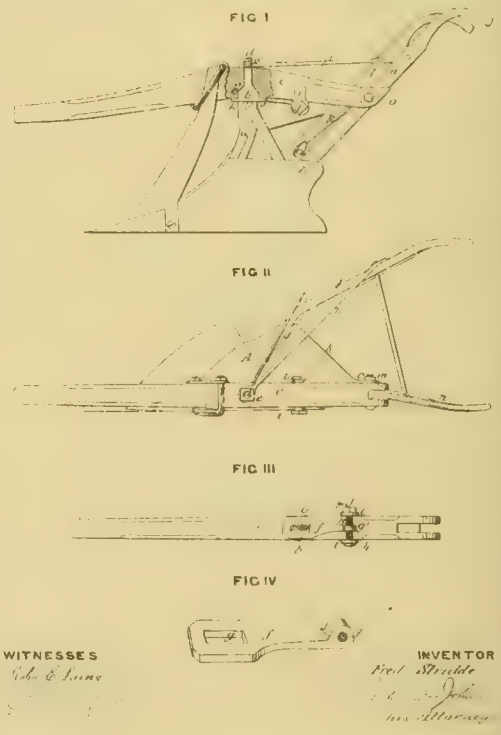
Plows.
No 157,204. Patented Nov. 24, 1874.



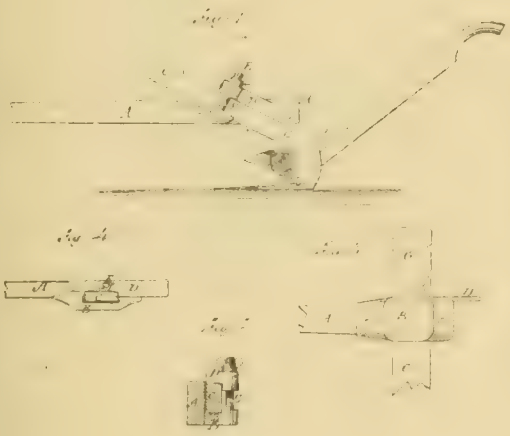
2 Sheets--Sheet 2.
A. B. KELLOGG.
Plows.
No 157,204. Patented Nov. 21, 1874.

WITNESSES:
A. C. Robertson
A. M. Turner
INVENTOR:
A. B. Kellogg
BY
ATTORNEYS.

F. STRIDDE
Plows
No 157,887. Patented Dec 15, 1874



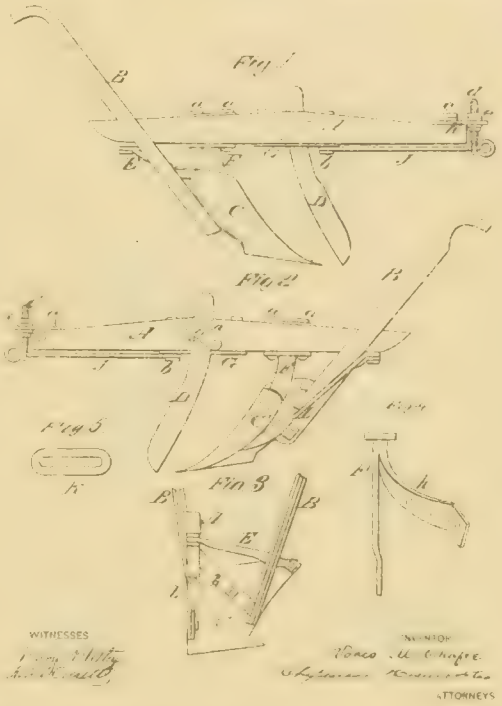
H. D. SMITH
Plows
No 158,186 Patented Dec. 29. 1874



WITNESSES:
Thos Nolle
Augustus

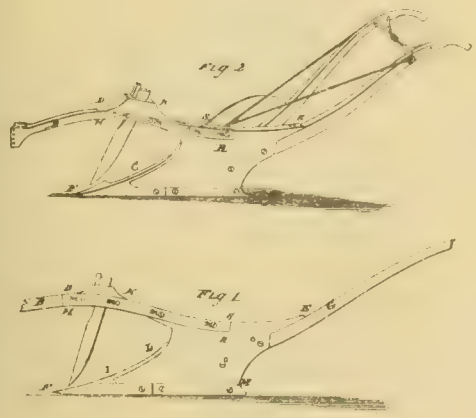
INVENTOR:
BY
ATTORNEYS.

V. M. CHAFEE.
Stump-Plows
No. 158,468. Patented Jan. 5, 1875.



WITNESSES
INVENTOR
ATTORNEYS

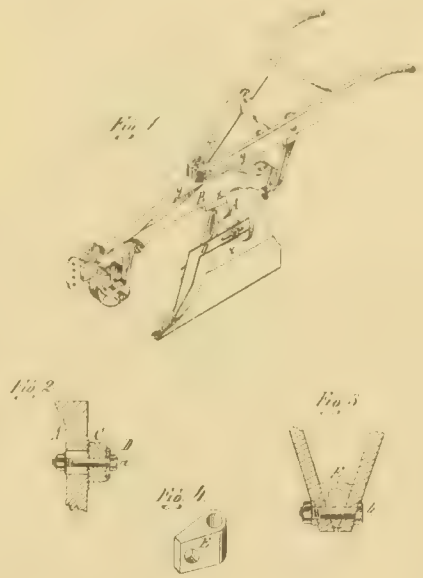
J. YOCOM.
Plows.
No. 158,561 Patented Jan. 5, 1875.



Witnesses
Edgar Barker
John G Barker

Inventor
John Yocom

H. GALE
Plow.
No 159 174 Patented Jan. 26, 1875.

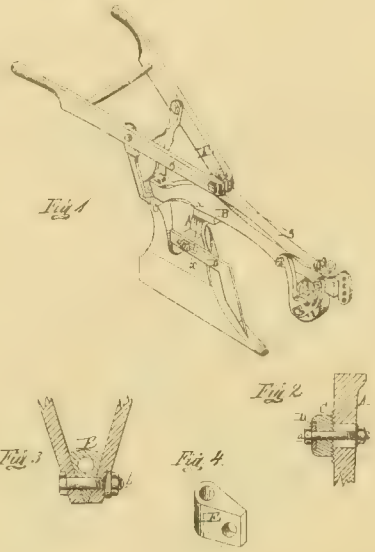


Witnesses:

Inventor:

H. GALE.
PLOW.

No. 7,253. Reissued Aug. 8. 1876.

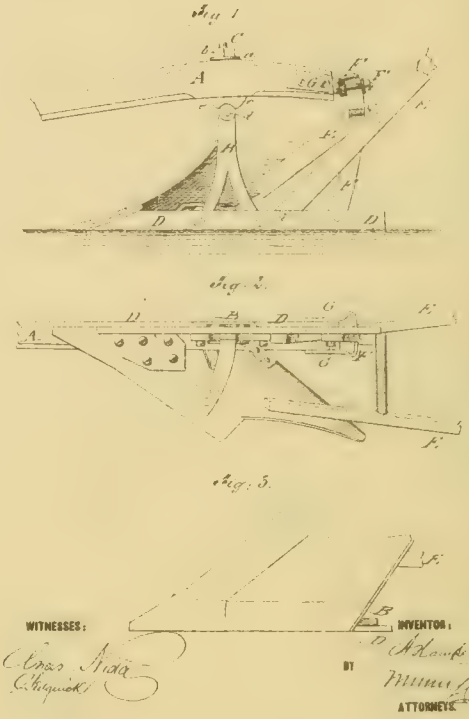


Attest:
Edward Barthel
C. R. Ellett

Inventor:
H. Gale
By Cox
Thos. S. Sprague.

A. HAMPE.
Plow.

No. 159,321 Patented Feb. 2, 1875



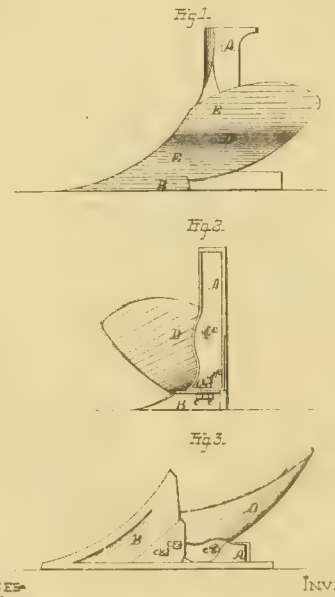
WITNESSES:
Chas. Frick
C. Chiquoit

INVENTOR:
A. Hampe
BY
Munn & Co.
ATTORNEYS.

2 Sheets--Sheet 1

S. S. AUGHE
Plow.

No. 159,377 Patented Feb. 2, 1875.



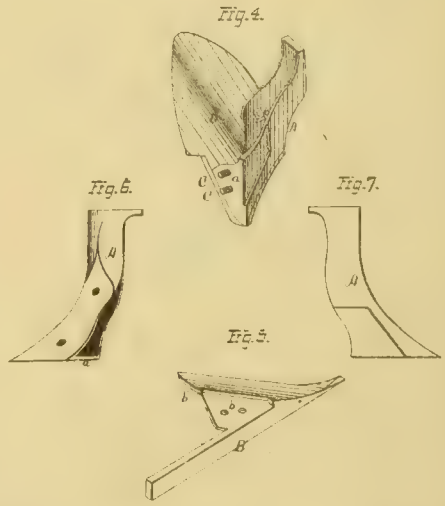
WITNESSES.
Jas. E. Hutchinson
John R. Young

INVENTOR.
Silas S. Aughe, by
Munn & Co, his Attys

2 Sheets--Sheet 2

S. S. AUGHE.
Plow.

No. 159,377 Patented Feb. 2, 1875



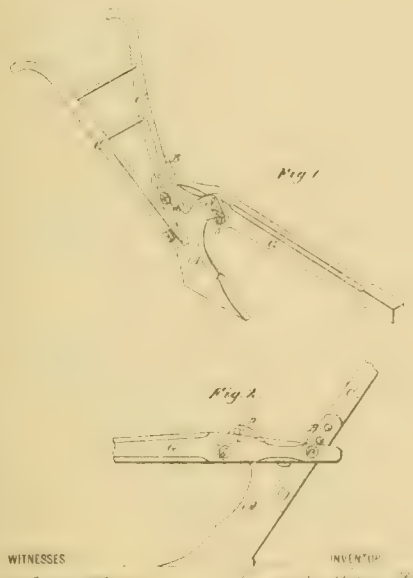
WITNESSES.
Jas. E. Hutchinson
John R. Young

INVENTOR.
Silas S. Aughe, by
Munn & Co, his Attys

C. G. COX.

Plow.

No. 159,905 Patented Feb. 16, 1875



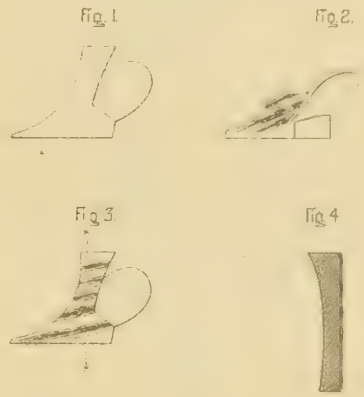
WITNESSES

INVENTOR

C. R. DUGDALE & D. BREED.

Plow.

No. 160,086 Patented Feb. 23, 1875



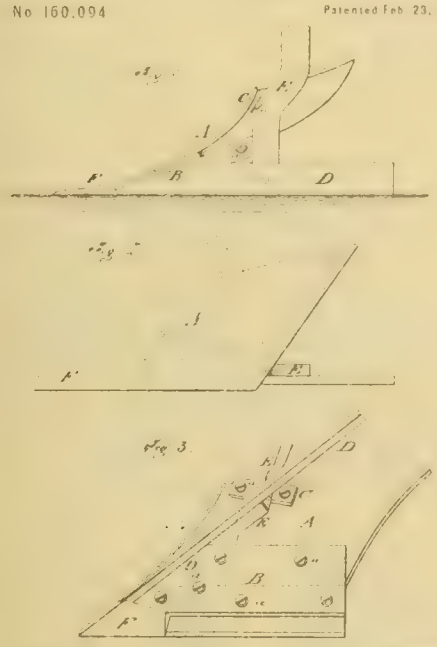
WITNESSES

INVENTORS

A. HAMPE.

Plow.

No. 160,094 Patented Feb. 23, 1875



Witnesses:

Inventor:

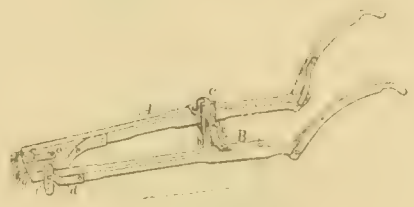
Per

Attorneys.

J. O. MINOR

Plow.

No. 160,836 Patented March 16, 1875

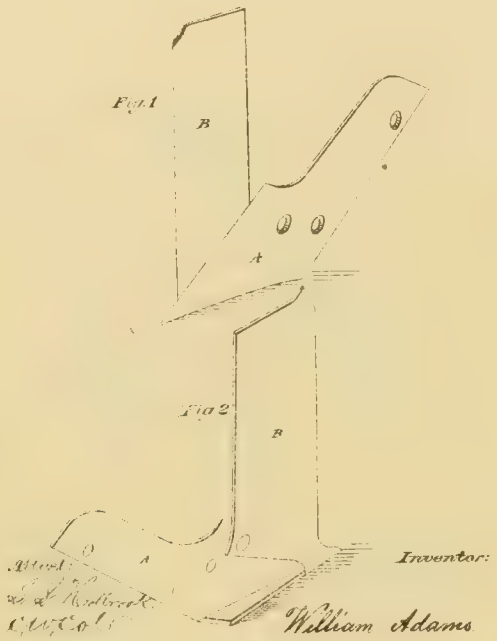


Witnesses

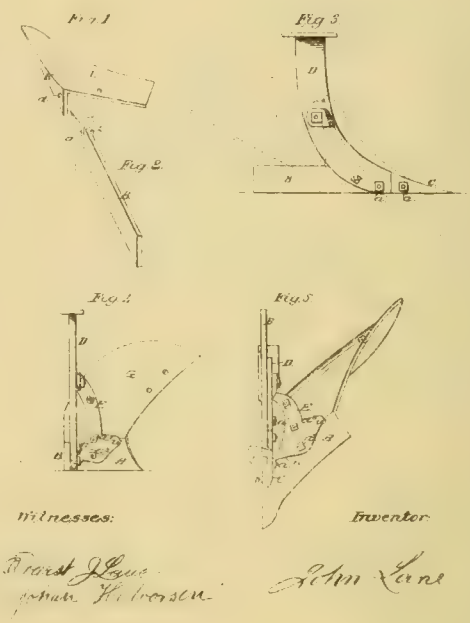
Inventor

Attorney

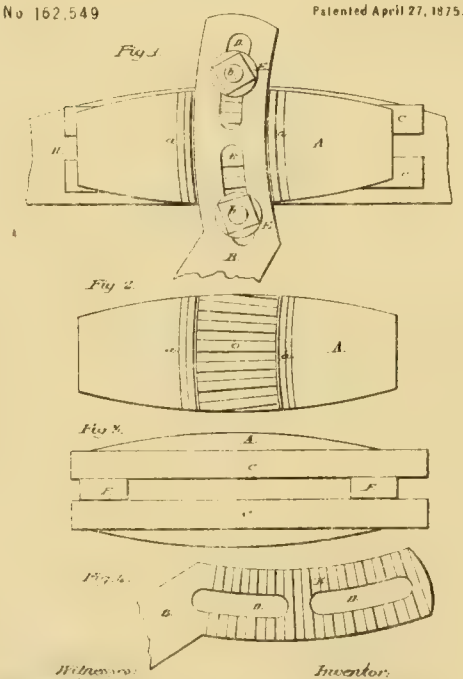
W. ADAMS.
Plow.
No. 160,989. Patented March 23, 1875.



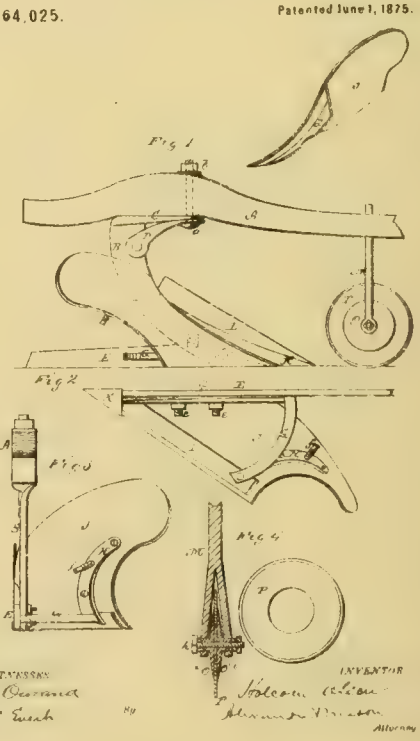
J. LANE
Plow.
No. 162,240. Patented April 20, 1875.



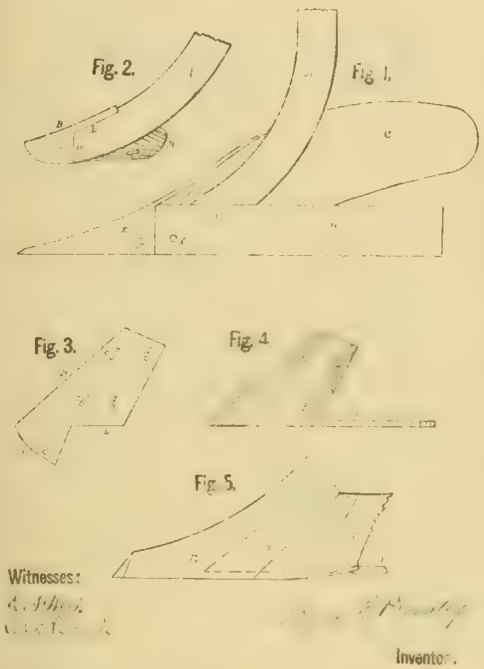
C. A. HEGE.
Plow.
No. 162,549. Patented April 27, 1875.



H. OLSON.
Plow.
No. 164,025. Patented June 1, 1875.



B. C. BRADLEY.
Plow.
No 164,134. Patented June 8, 1875.



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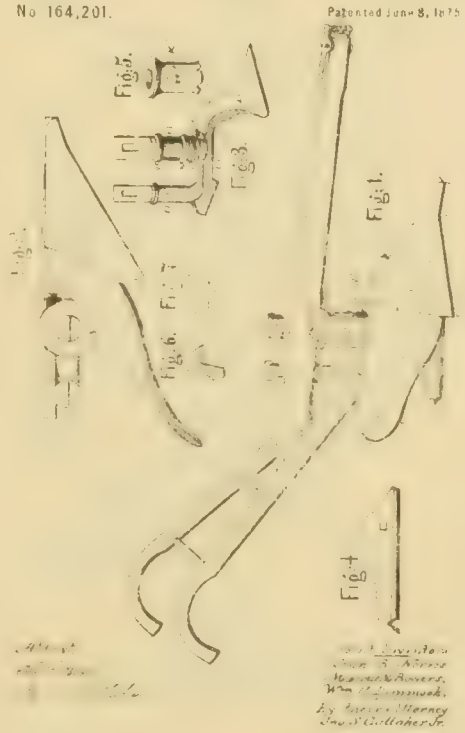
J. B. NORRIS, M. M. BOWERS & W. C. DIMMOCK.
Plow.
No. 164,201. Patented June 8, 1875.



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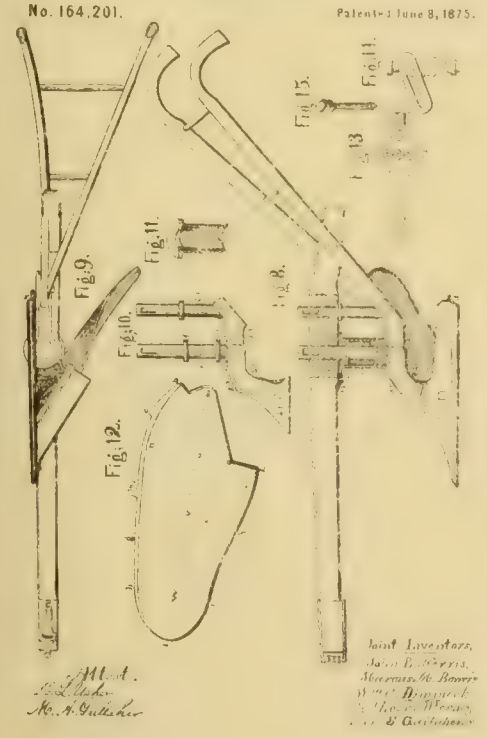
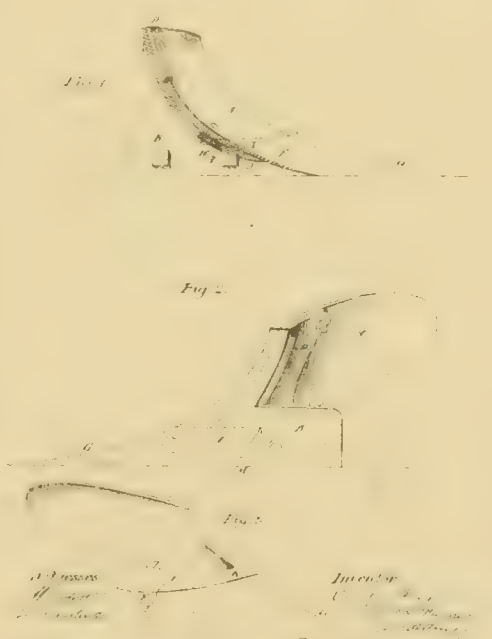
J. B. NORRIS, M. M. BOWERS & W. C. DIMMOCK.
Plow.
No. 164,201. Patented June 8, 1875.

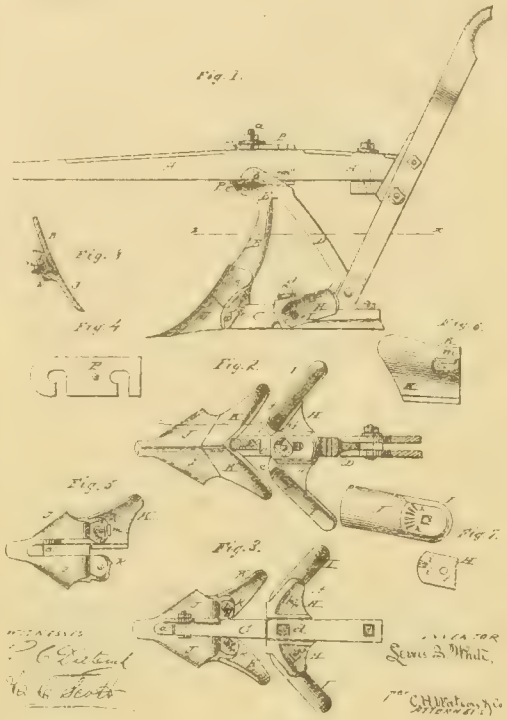


C. MYERS.
Plow.
No. 164,471. Patented June 15, 1875.



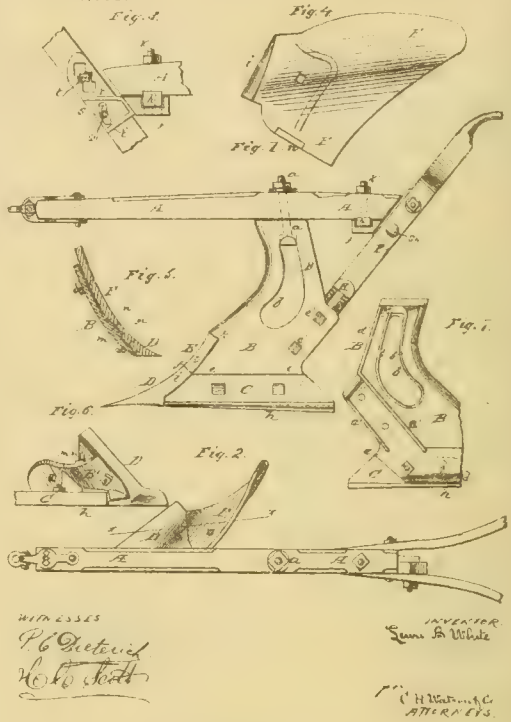
L. B. WHITE.
Plow.

No. 164,951. Patented June 29, 1875.



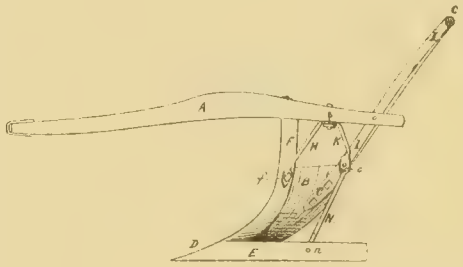
L. B. WHITE.
Plow.

No. 164,952. Patented June 29, 1875



G. RINGEN.
Plow.

No. 165,179. Patented July 6, 1875.

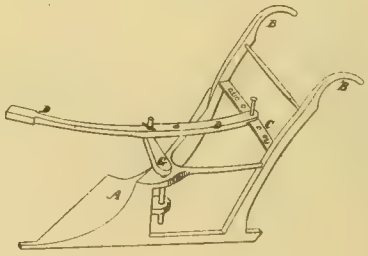


Witnesses

Inventor

M. ROSS.
Vineyard-Plow.

No. 165,258. Patented July 6, 1875.



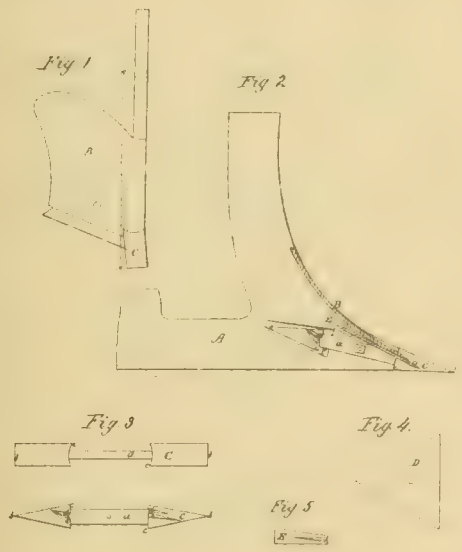
Witnesses
Geo. H. Strong.
Jno. L. Brown

Inventor
Milton Ross
by Dewey & Co
Attys

J. R. SAMPLE.

Plow.

No. 165,676. Patented July 20, 1875.



WITNESSES:

INVENTOR:

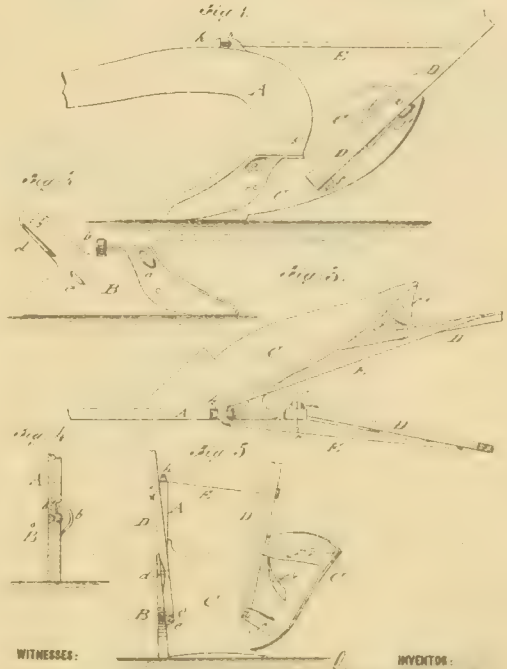
Jacob R. Sample

BY

G. & T. WIARD

Plow.

No. 165,903. Patented July 20, 1875.



WITNESSES:

INVENTOR:

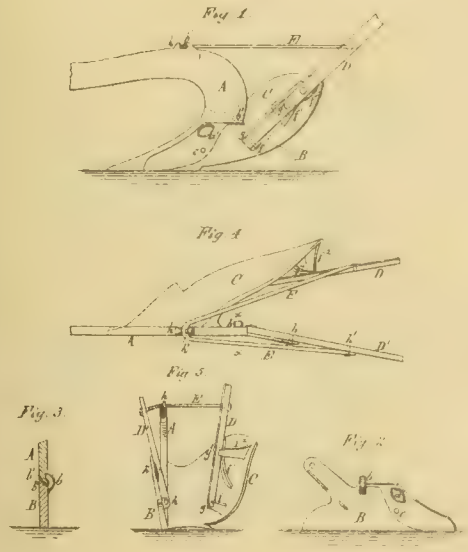
George Wiard

BY Thomas Wiard

G. & T. WIARD.

PLOW.

No. 7,075. Reissued April 25, 1876.



Witnesses

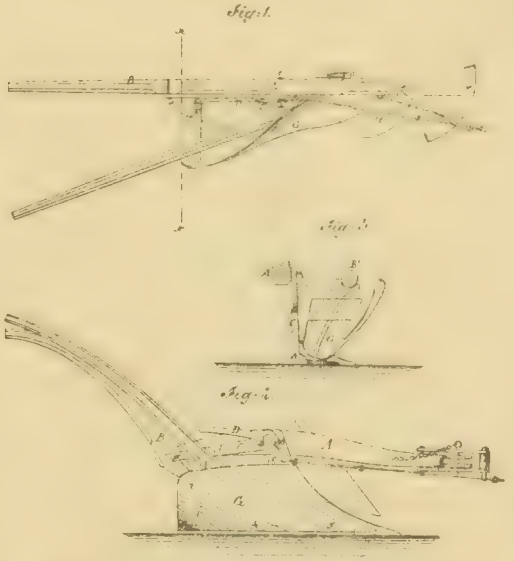
George Wiard
Thomas Wiard Inventors

By Edward Wilkie
Attorney

J. MIDDLEDITCH.

Plows.

No. 166,127. Patented July 27, 1875.



Witnesses:

Inventor:

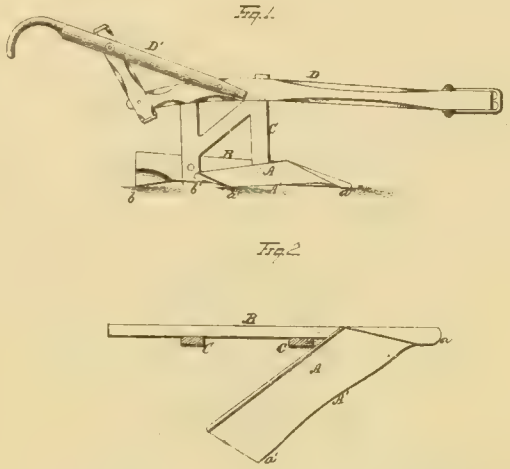
John Middleditch

by

C. H. GAYLORD & E. M. AYERS.

Stalk-Cutter.

No. 166,200. Patented Aug. 3, 1875.



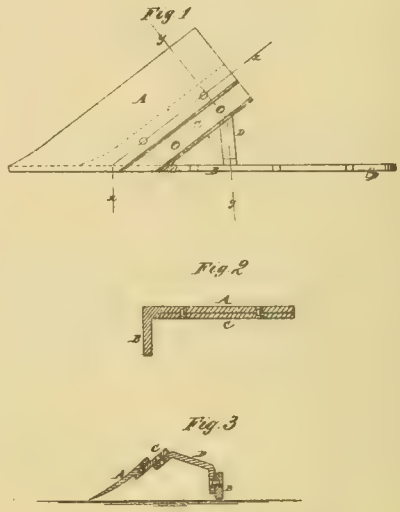
WITNESSES
W. T. Newman
R. M. Barr

INVENTORS
E. Charles H. Gaylord
Edward M. Ayers
By Leggett & Leggett, Attorneys.

H. KROG, Sr.

Plow.

No. 166,281. Patented Aug. 3, 1875.



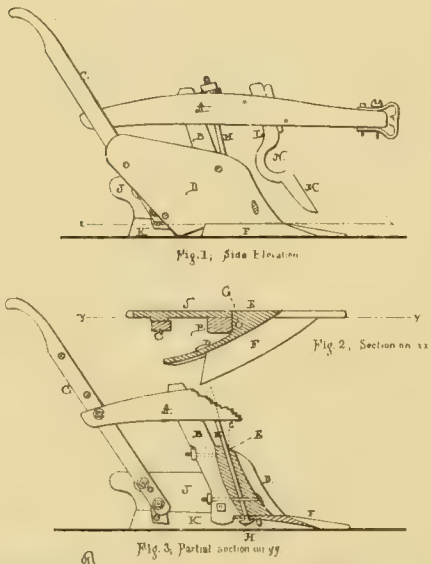
WITNESSES:
H. W. Almquist
A. F. Terry

INVENTOR:
H. Krog Sr.
By
ATTORNEYS.

T. M. BROUS.

Plow.

No. 166,586. Patented Aug. 10, 1875.



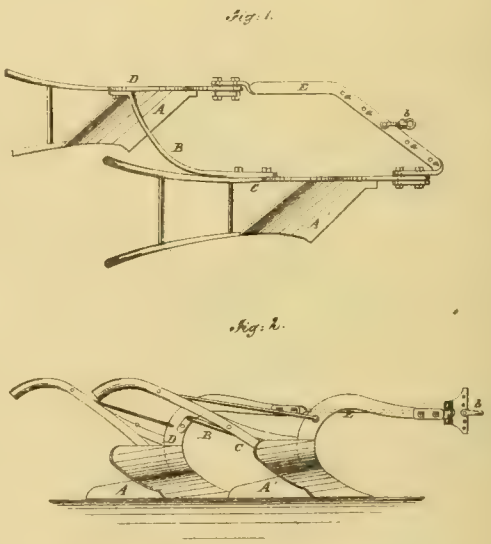
Witnesses
Phoebus Deamy
H. McNeal

Inventor
T. Miles Brous.

W. S. WADSWORTH.

Plow.

No. 166,734. Patented Aug. 17, 1875



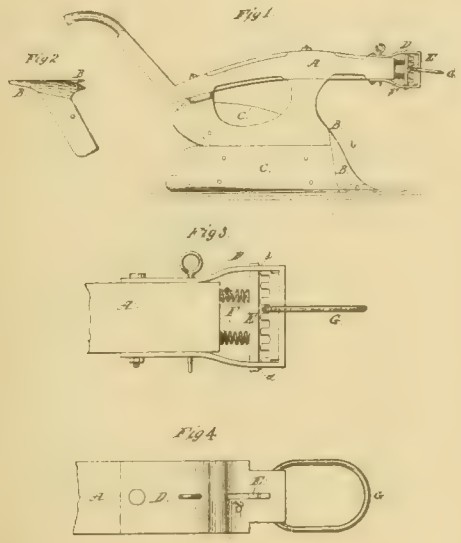
Witnesses:
Chas. N. Ida
H. C. Mattingly

Inventor:
Wilson S. Wadsworth
per G. W. Phillips
Atty.

M. ORMOND.

Plow.

No. 167,686. Patented Sept. 14, 1875.



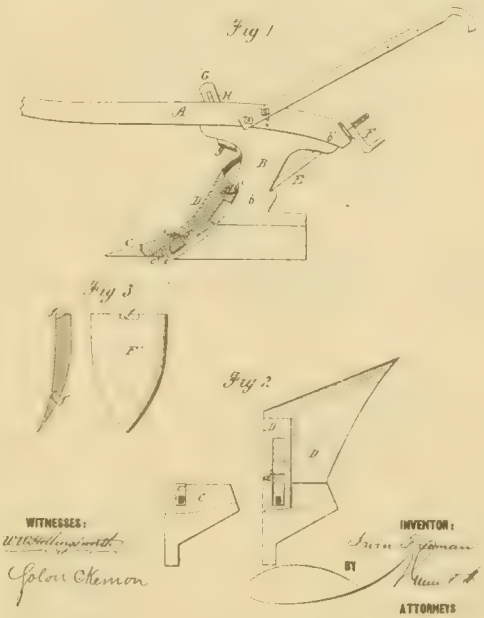
Witnesses:
T. A. Hagerty
Joseph H. Mayer

Inventor:
Mardif Ormond

I. FREEMAN.

Plow.

No. 167,756. Patented Sept. 14, 1875.



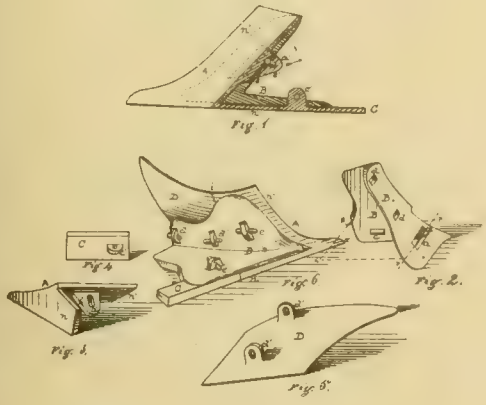
WITNESSES:
W. H. Hollingsworth
Solon Clemon

INVENTOR:
Isaac Freeman
BY
ATTORNEYS

W. H. McCUNE.

PLOW.

No. 169,716. Patented Nov. 9, 1875.



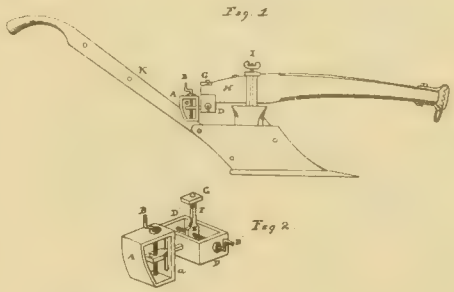
Witnesses
J. E. Boggs
Claudius L. Parker

Inventor. William H. McCune.
By George H. Christy.
his Atty

H. H. HUBLEY.

PLOW.

No. 171,022. Patented Dec. 14. 1875.



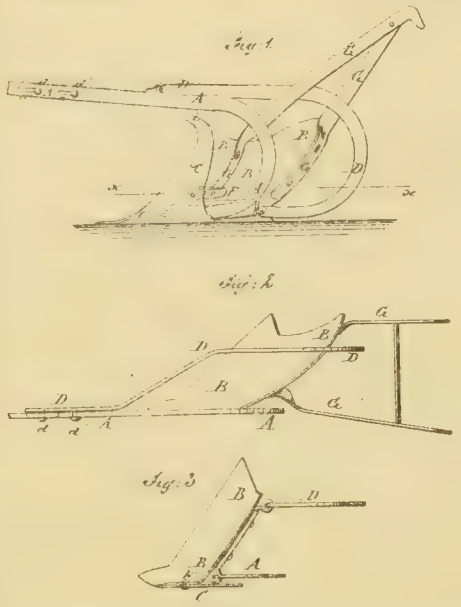
WITNESSES.
W. B. Miley
J. Stauffer

INVENTOR.
H. H. Hubley.

H. D. STRAIGHT.

PLOW.

No. 173,869. Patented Feb. 22, 1876.



WITNESSES:

Chas Nida

Alex F. Roberts

INVENTOR:

H. D. Straight

BY

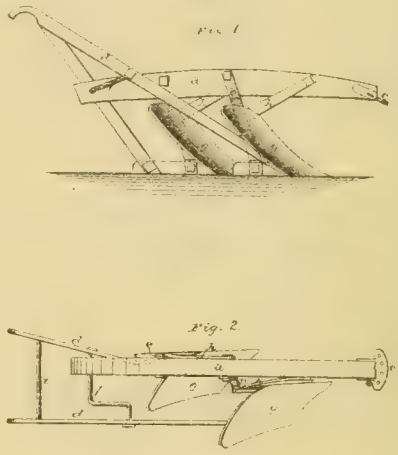
Munn & Co

ATTORNEYS.

F. CHEVALIER.

PLOW.

No. 174,115. Patented Feb. 29, 1876.



WITNESSES.

Wm. Farnell

F. M. Burnham

INVENTOR.

F. Chevalier

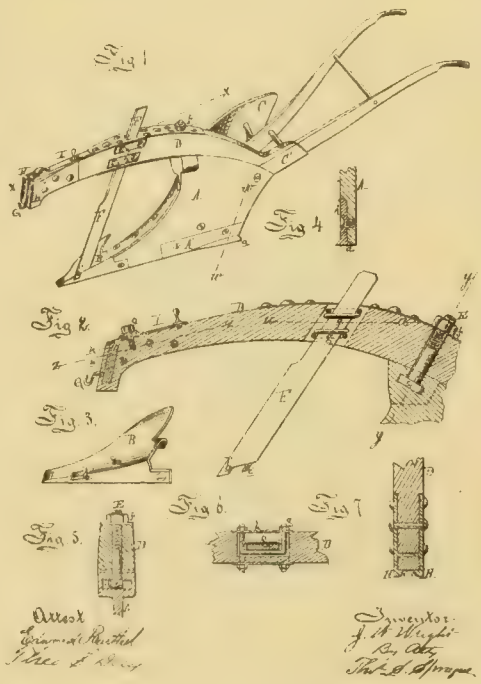
per

F. A. Lehmann Att.

J. W. WRIGHT.

PLOW

No. 174,338. Patented Feb. 29, 1876.



Witnesses

Grimm & Rectel

Geo. F. Shaw

Inventor:

J. W. Wright

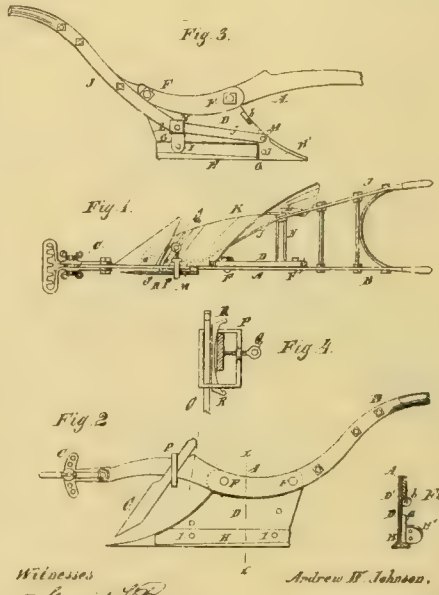
per Atty

Thos. G. Shaw

A. W. JOHNSON.

PLOW.

No. 174,367. Patented March 7, 1876.



Witnesses

Henrich J. Brons

L. A. Bentley

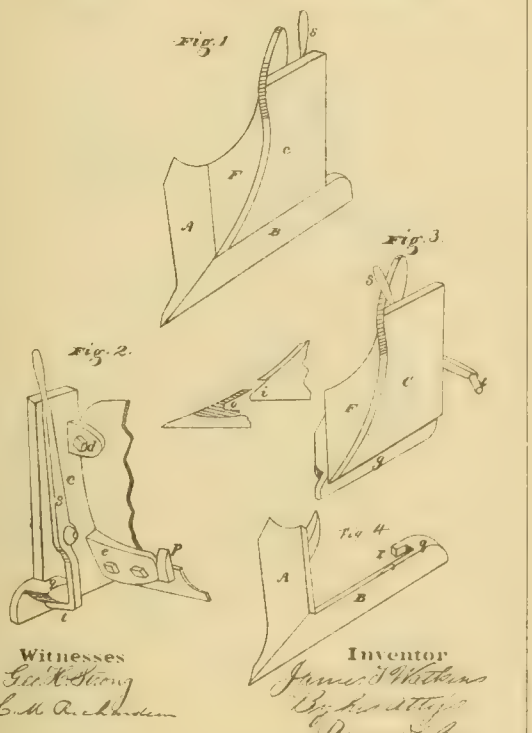
Andrew W. Johnson,

Inventor.

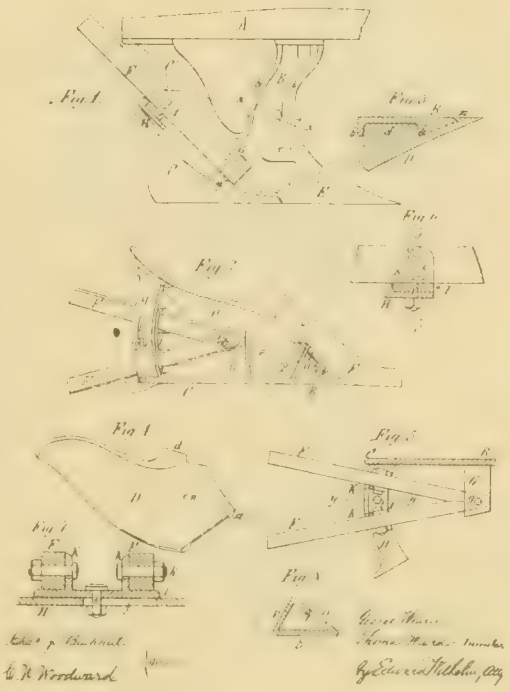
By Coburn & Fowler

Attys.

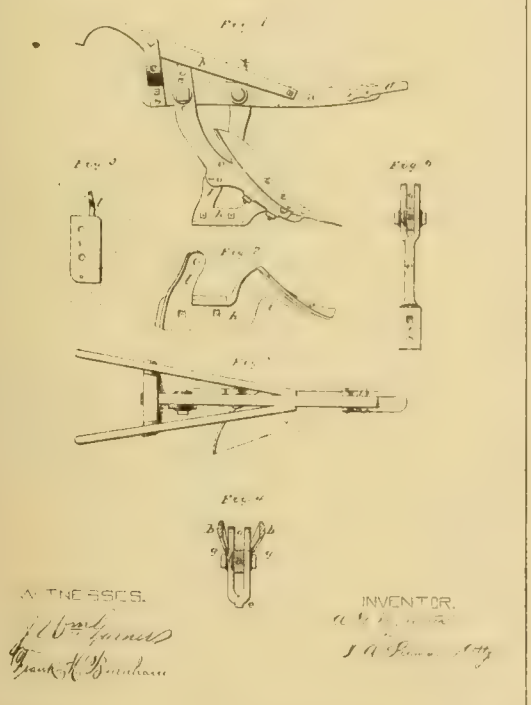
J. T. WATKINS.
PLOW.
No. 175,311. Patented March 28, 1876.



G. & T. WIARD.
PLOW
No. 175,889. Patented April 11, 1876.



A. G. W. FOSTER.
PLOW.
No. 176,465. Patented April 25, 1876.



S. B. WARD.
PLOW
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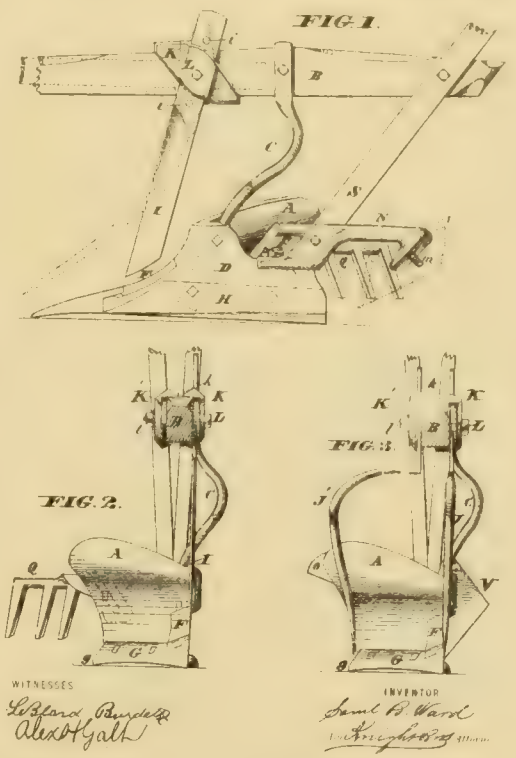

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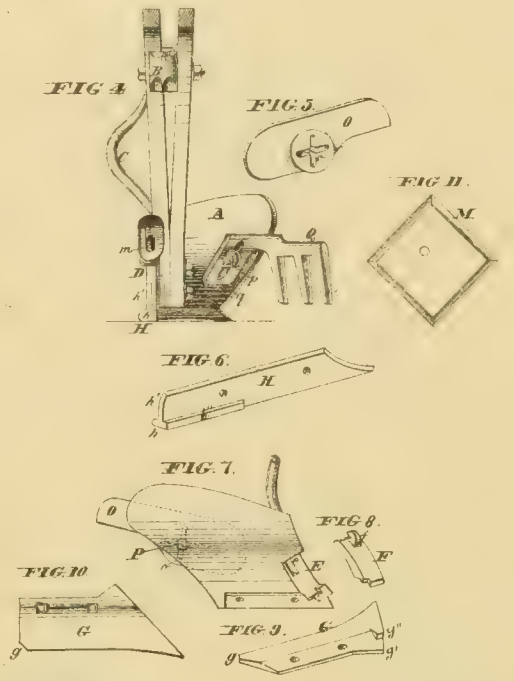
S. B. WARD.

PLOW.

No. 176,717 Patented April 25, 1876.



WITNESSES

Gerlond Burdett

INVENTOR

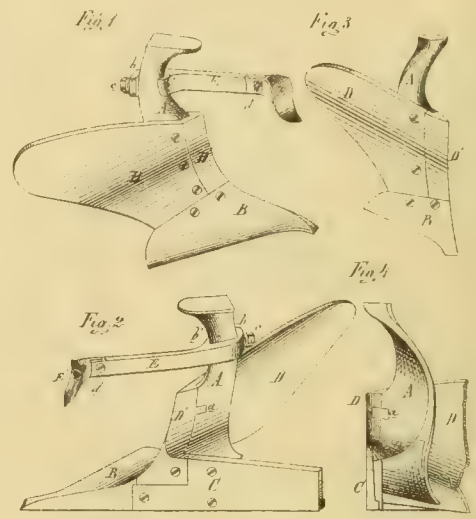
Saml B. Ward

2 Sheets—Sheet 1.

J. P. & J. E. PRUTZMAN & J. P. McINTYRE.

PLOW.

No. 177,000 Patented May 2, 1876.



Attest

Edward Burthel

Theo. L. Day

Inventor.

J. P. Prutzman

J. E. Prutzman

J. P. McIntyre

By Atty

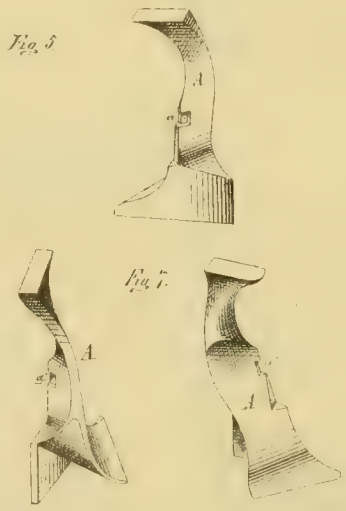
Wm. H. Sprague.

2 Sheets—Sheet 2

J. P. & J. E. PRUTZMAN & J. P. McINTYRE.

PLOW.

No. 177,000 Patented May 2, 1876.



Attest

Edward Burthel

Theo. L. Day

Inventor:

J. P. Prutzman

J. E. Prutzman

J. P. McIntyre

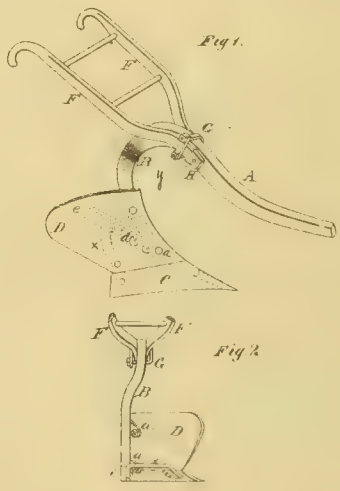
By Atty

Wm. H. Sprague

I. R. KERN.

PLOW.

No. 177,254. Patented May 9, 1876



WITNESSES

Henry W. Miller

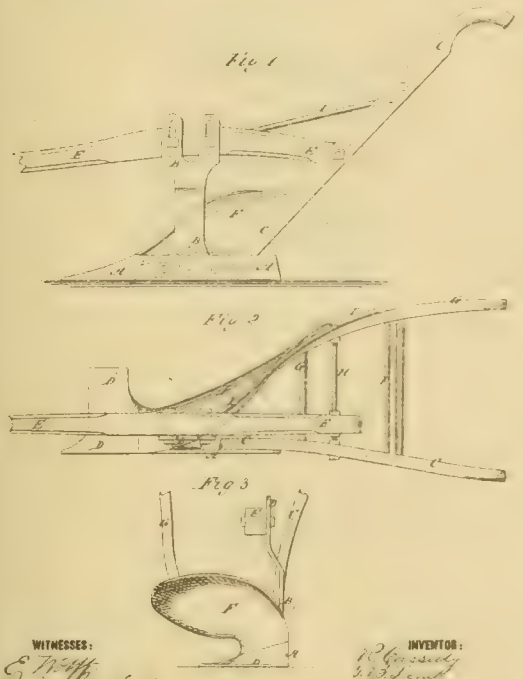
C. L. Everett

INVENTOR

Isaac R. Kern

Alexander Mitchell

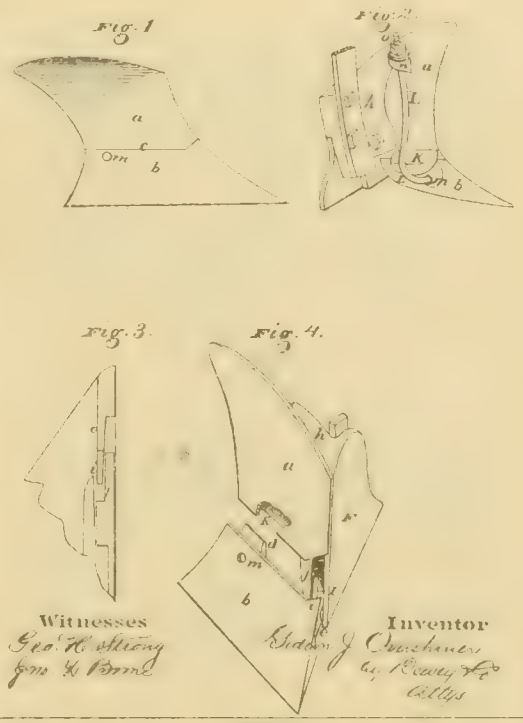
R. CASSIDY, T. B. LAMB & C. L. VAUGHAN.
PLOW.
No. 177,469. Patented May 16, 1876.



WITNESSES:
E. Wolff
John Goethals

INVENTOR:
R. Cassidy
T. B. Lamb
BY C. L. Vaughan
ATTORNEYS.

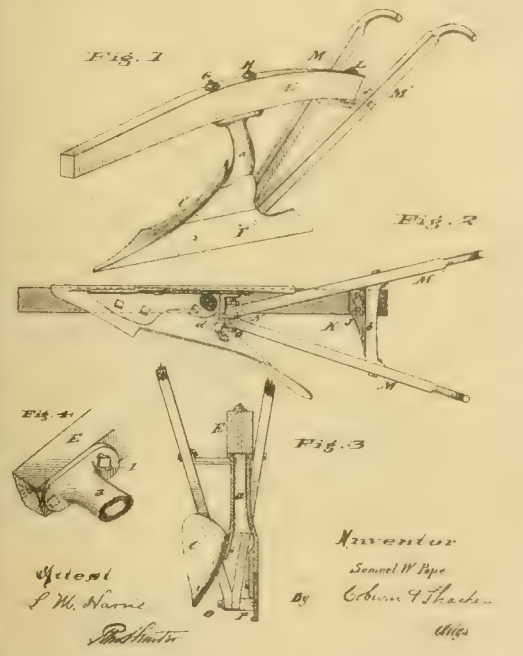
G. J. OVERSHINER.
PLOW.
No. 178,024. Patented May 30, 1876.



Witnesses
Geo. H. Strong
Jno. H. Bond

Inventor
Geo. J. Overshiner
by Peaney & Co.
Attys

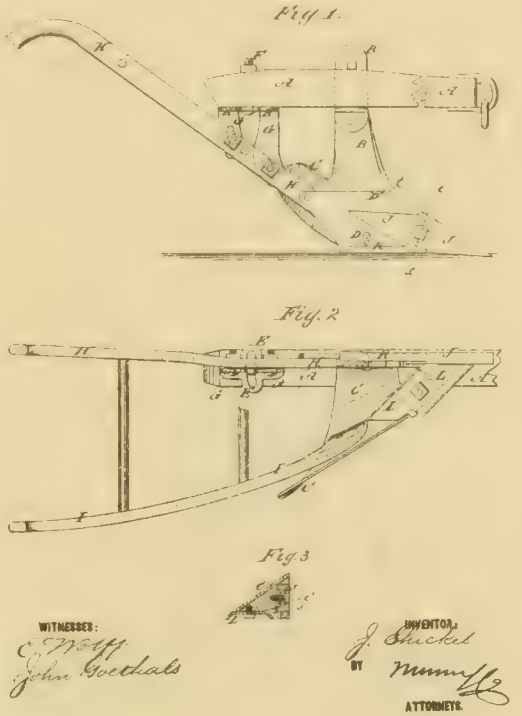
S. W. POPE
PLOW.
No. 178,877. Patented June 20, 1876.



Witnesses
S. W. Warne
Robt. Hunter

Inventor
Samuel W. Pope
By Coburn & Thacher
Attys

J. SHICKEL.
PLOW.
No. 178,970. Patented June 20, 1876.



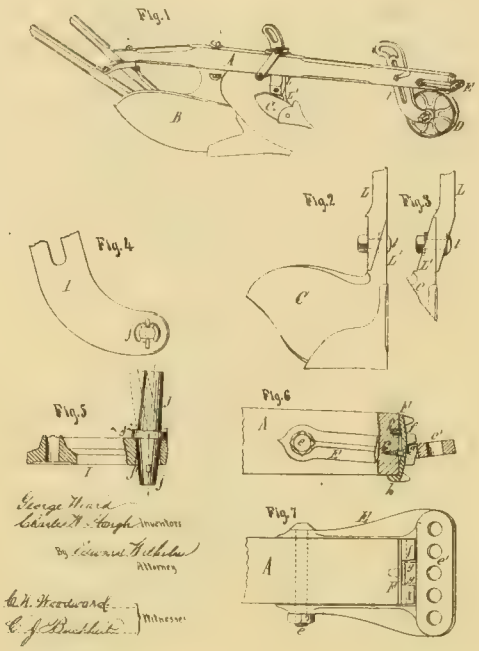
WITNESSES:
E. Wolff
John Goethals

INVENTOR:
J. Shickel
BY
ATTORNEYS.

G. WIARD & C. W. HOUGH.

PLOWS.

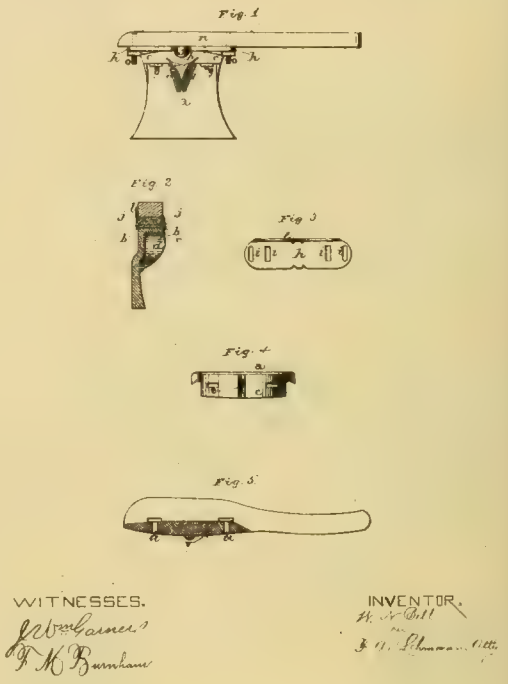
No. 180,511. Patented Aug. 1, 1876.



W. N. BELL.

PLOWS.

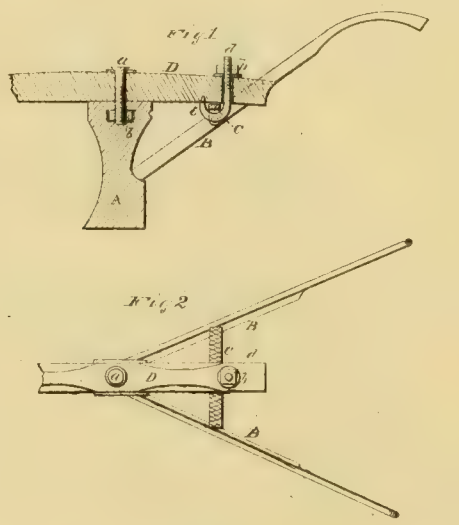
No. 180,742. Patented Aug. 8, 1876.



J. PENTREATH.

ADJUSTABLE PLOW-BEAM.

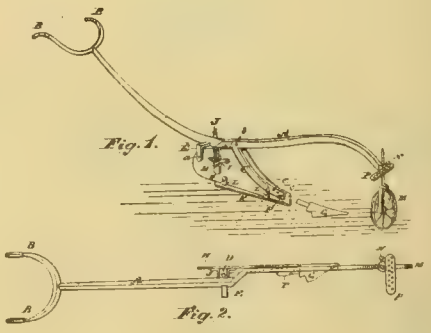
No. 181,471. Patented Aug. 22, 1876.



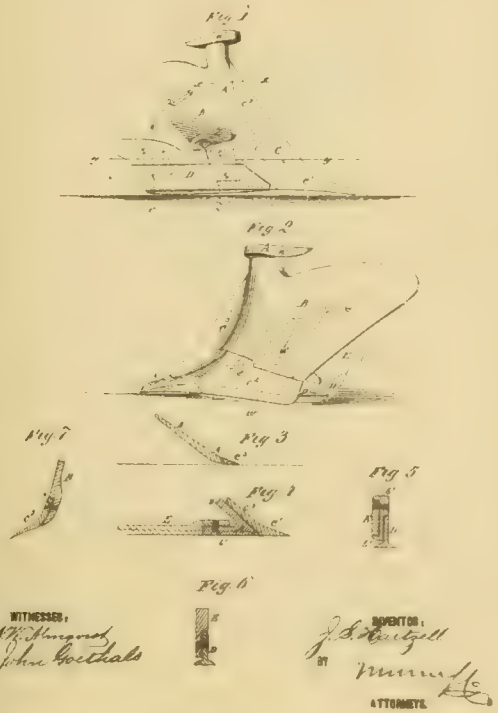
W. STEPHENSON.

PLOWS.

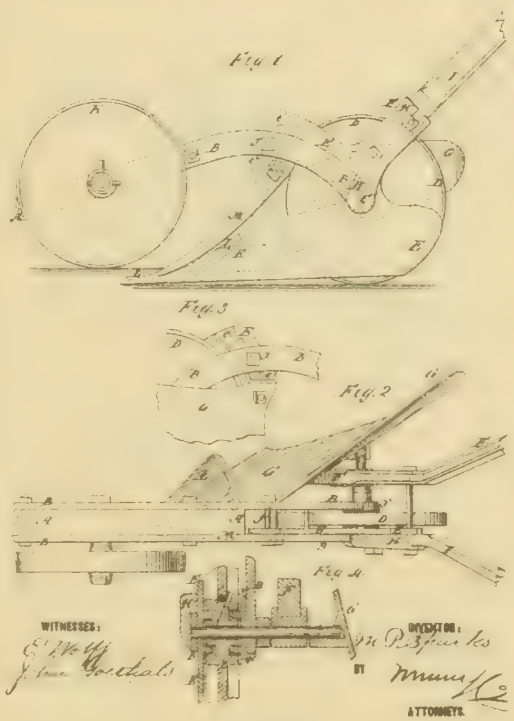
No. 181,493. Patented Aug. 22, 1876.



J. S. HARTZELL.
PLOW.
No. 181,842. Patented Sept. 5, 1876.



M. P. SPARKS.
PLOW
No. 181,873. Patented Sept. 5, 1876.



J. SMOOT, Sr.
PLOW.
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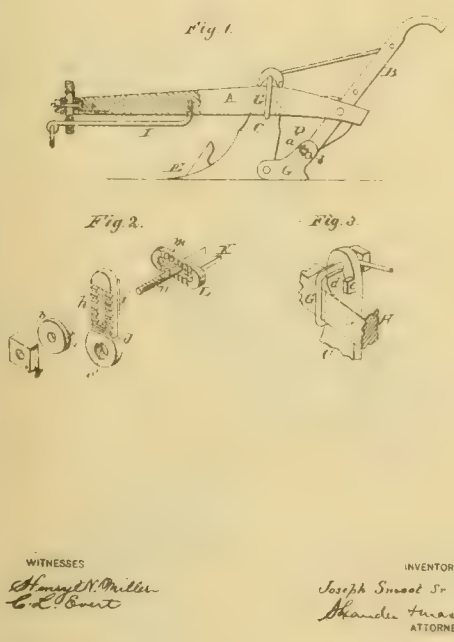
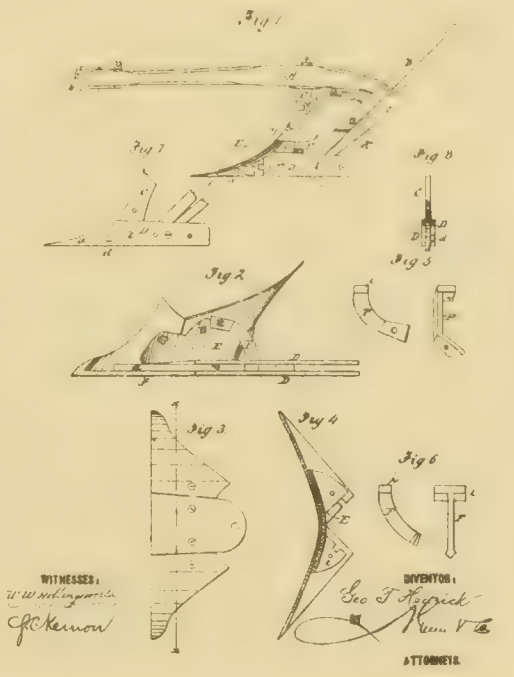


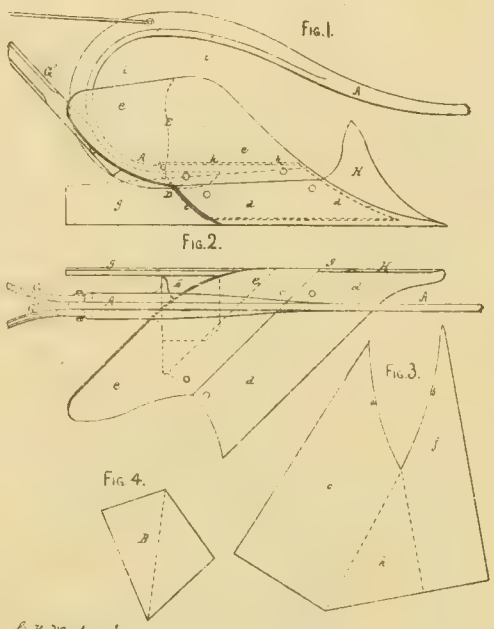
G. T. HEDRICK.
PLOW.
No. 183,393. Patented Oct. 17, 1876.



2 Sheets—Sheet 1.

E. G. WHITING.
PLOW.

No. 183,612. Patented Oct. 24, 1876.



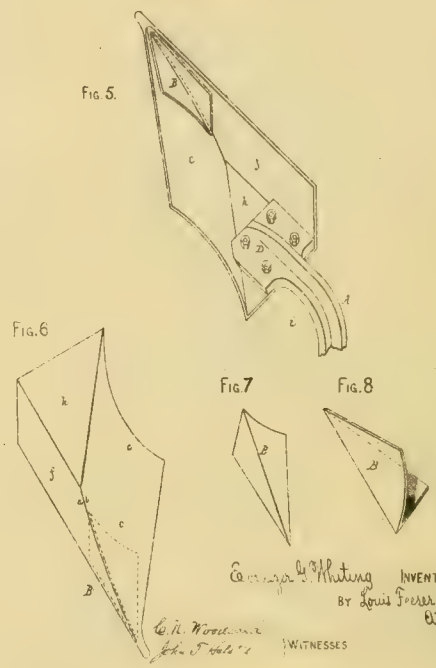
C. H. Woodward.
John T. Holstes } Witnesses.

Ebenezer G. Whiting Inventor,
By Louis Fesser Atty.

2 Sheets—Sheet 2.

E. G. WHITING.
PLOW.

No. 183,612. Patented Oct. 24, 1876.

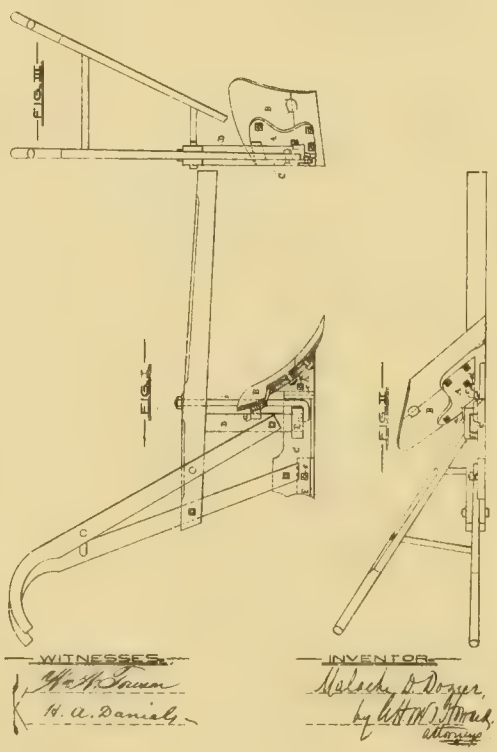


Ebenezer G. Whiting Inventor,
By Louis Fesser Atty.

C. H. Woodward
John T. Holstes } Witnesses

M. D. DOZIER.
PLOW.

No. 183,654. Patented Oct. 24, 1876.

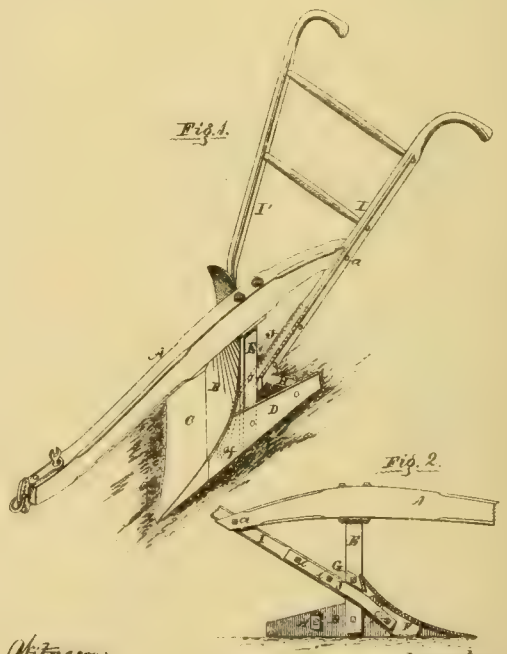


Witnesses.
Wm. H. Brown
H. A. Daniels

Inventor.
Malachi D. Dozier,
by Wm. W. Thomas,
Attorney

G. MOORE.
PLOW.

No. 184,411. Patented Nov. 14, 1876

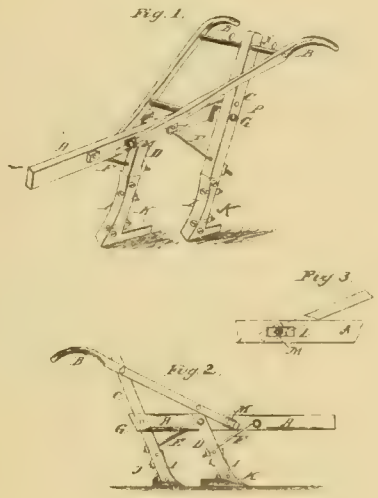


Witnesses:
W. H. Baumgardt.
C. P. Richards.

Inventor:
Gilpin Moore.
By W. P. Richards

P. HOLLOWAY.
PLOW.

No 185,235. Patented Dec. 12, 1876.

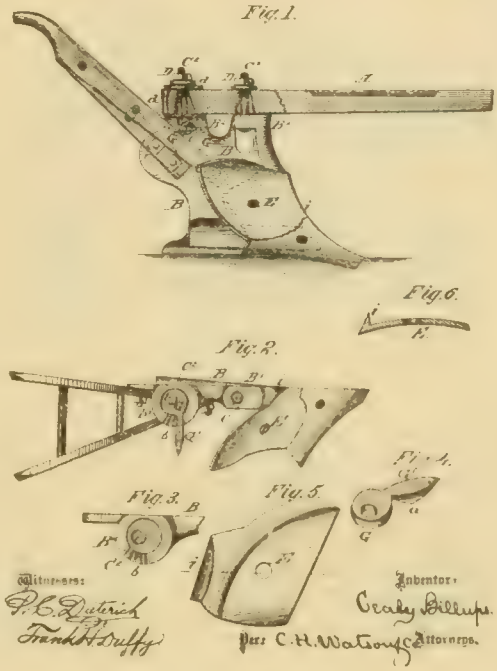


Witnesses:
H. Howes
Geo. G. Wolcott
Wm. H. Hornoff

Inventor:
Peter Holloway
By Daniel Breed
Atty

C. BILLUPS.
PLOWS

No. 185,383. Patented Dec. 19, 1876.



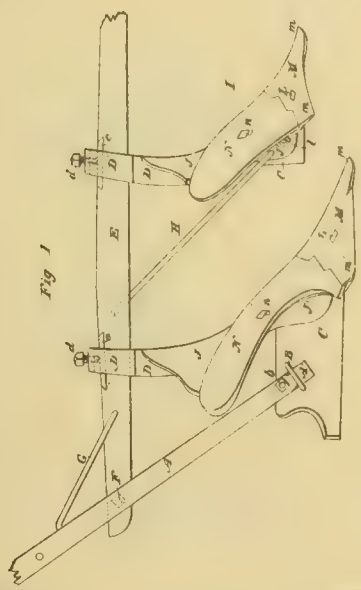
Witnesses:
P. C. Dieterich
Frank H. Duffy

Inventor:
Crosby Billups.
Per: C. H. Watson & Co. Attorneys.

2 Sheets—Sheet 1.

C. W. FLIPPEN.
PLOW

No. 185,437 Patented Dec. 19, 1876.



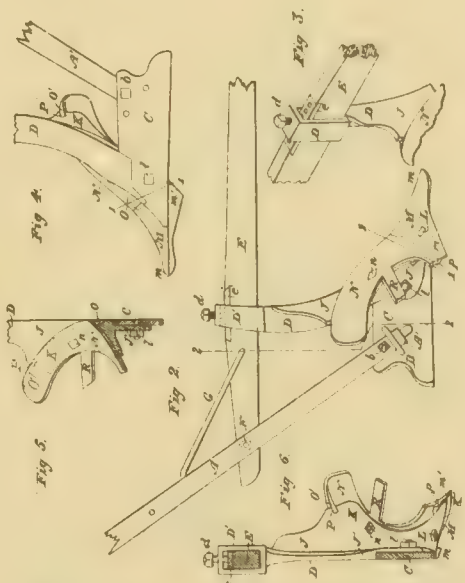
WITNESSES.
Wm. A. Shindle
F. Stell

INVENTOR
Charles W. Flippen
By his Attorneys
Baldwin, Hopkins & Peyton

2 Sheets—Sheet 2.

C. W. FLIPPEN.
PLOW

No. 185,437. Patented Dec. 19, 1876.



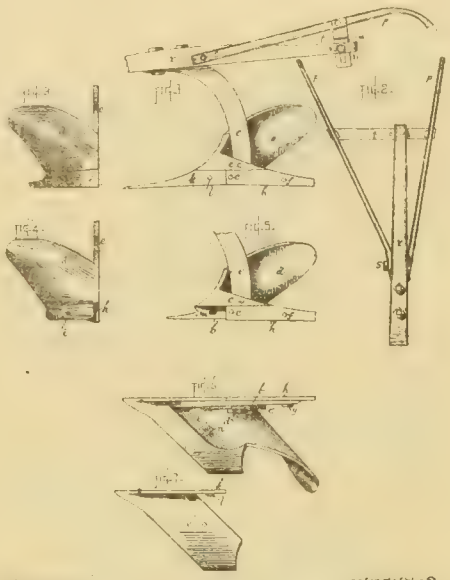
WITNESSES.
Wm. A. Shindle
F. Stell

INVENTOR
Charles W. Flippen.
By his Attorneys
Baldwin, Hopkins & Peyton.

C. MYERS.

PLOW.

No. 185,450. Patented Dec. 19, 1876.



WITNESSES:

Robt. Clifford
H. R. Crooby

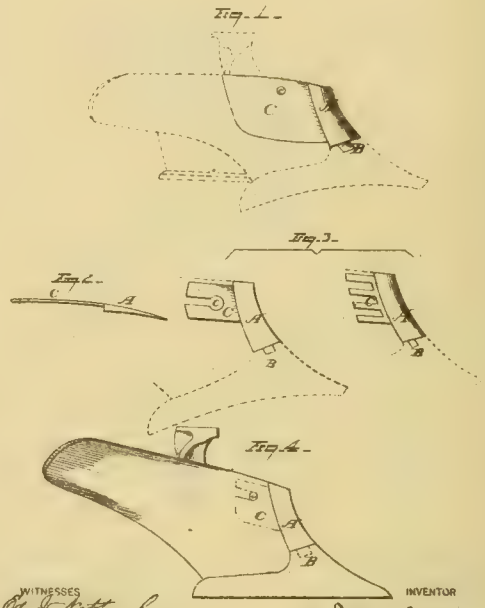
INVENTOR

Christian Myers.
by W. E. Simonds
Atty.

J. OLIVER.

PLOW.

No. 185,833. Patented Jan. 2, 1877.



WITNESSES

Ed. S. Nottingham
F. M. McElhany

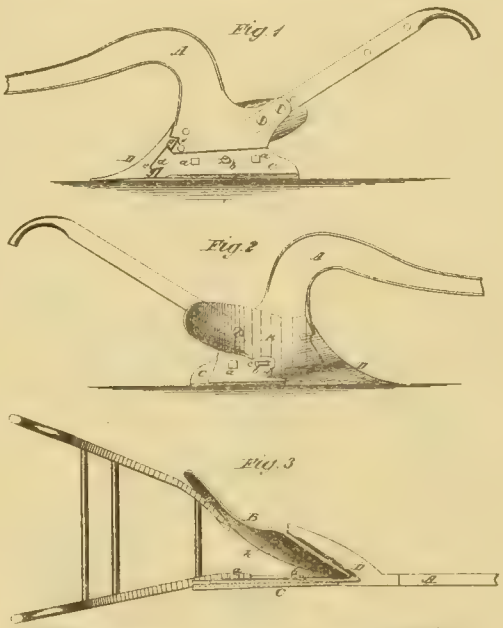
INVENTOR

James Oliver
By Seggett & Seggett.
ATTORNEYS

S. HUBER.

PLOW.

No. 186,088. Patented Jan. 9, 1877.



WITNESSES:

Thomas McCaddis.
J. H. Searborough

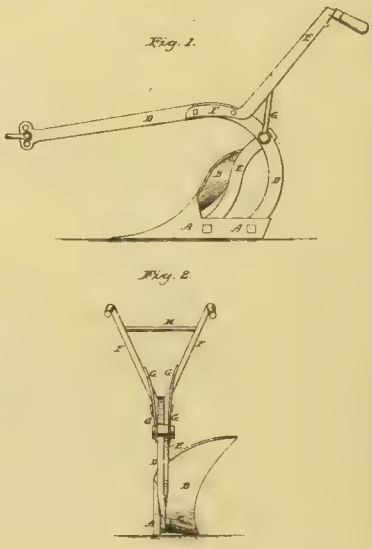
INVENTOR:

S. Huber
BY
Munn & Co.
ATTORNEYS.

J. W. HENDLEY.

PLOW.

No. 186,130. Patented Jan. 9, 1877.



WITNESSES:

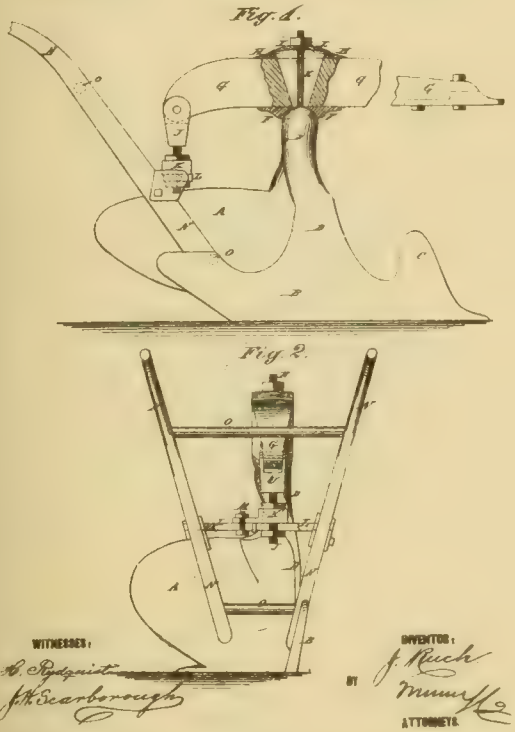
Geo. C. Graham
J. H. Searborough

INVENTOR:

J. W. Hendley
BY
Munn & Co.
ATTORNEYS.

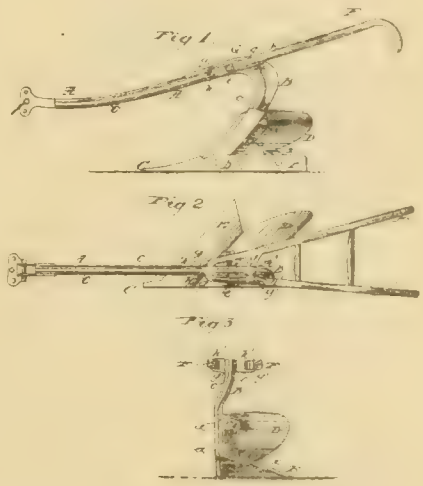
J. RUCH
PLOW.

No. 187,320. Patented Feb. 13, 1877.



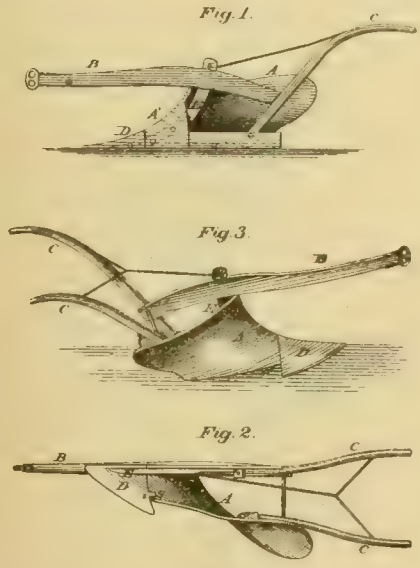
I. R. KERN.
PLOW.

No. 188,018. Patented March 6, 1877.



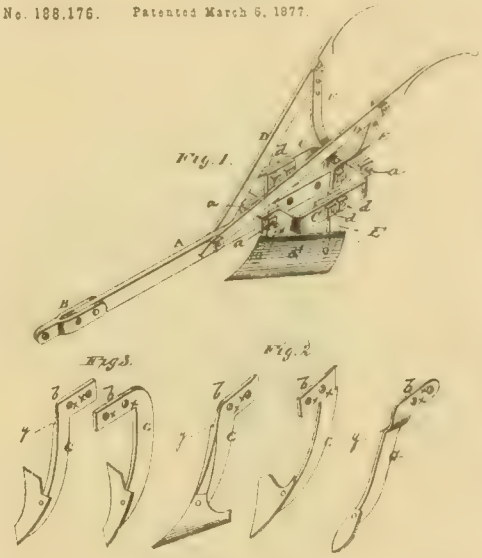
P. G. MILLER.
PLOW.

No. 188,166. Patented March 6, 1877.



G. W. PETERSON.
PLOW.

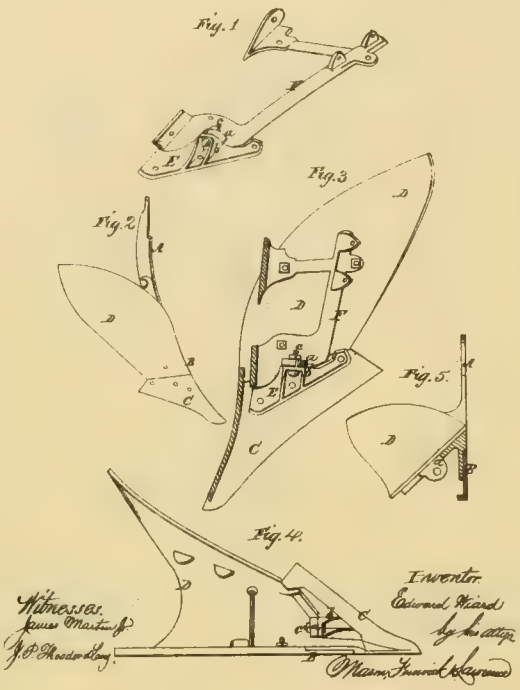
No. 188,176. Patented March 6, 1877.



E. WIARD.

PLOW.

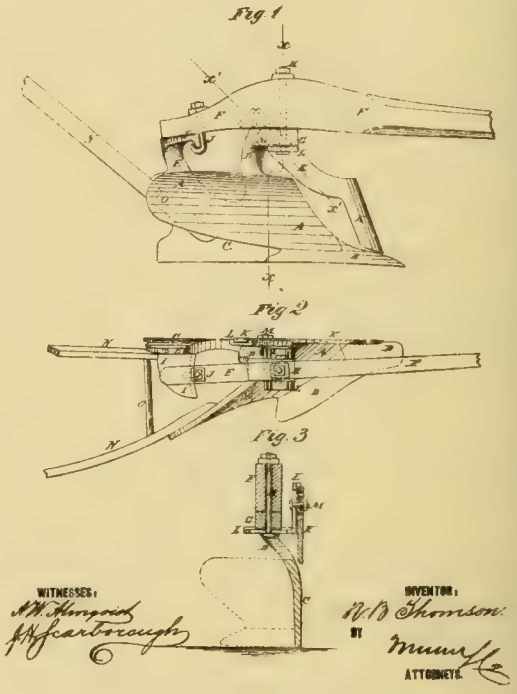
No. 188,555. Patented March 20, 1877.



R. B. THOMSON.

PLOW.

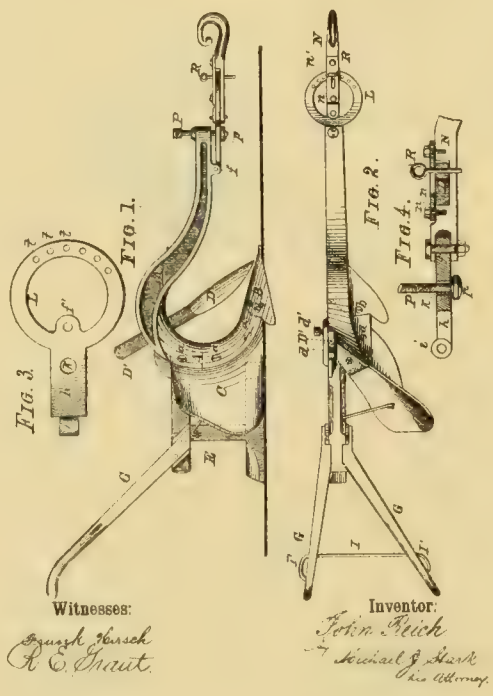
No. 189,151. Patented April 3, 1877.



J. REICH.

PLOW.

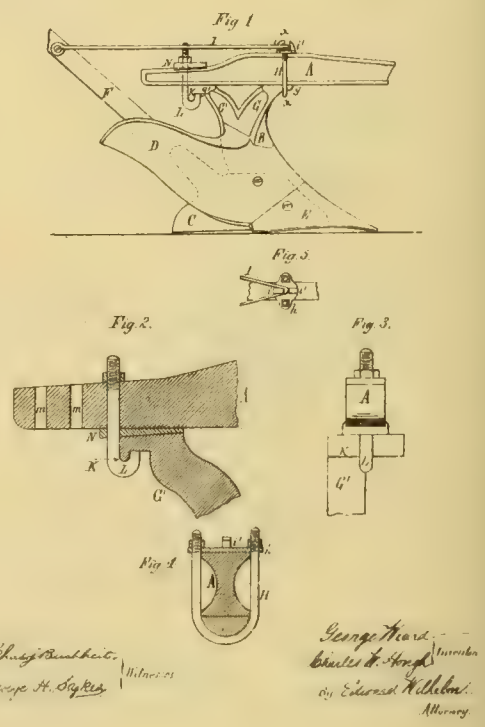
No. 189,496. Patented April 10, 1877.



G. WIARD & C. W. HOUGH.

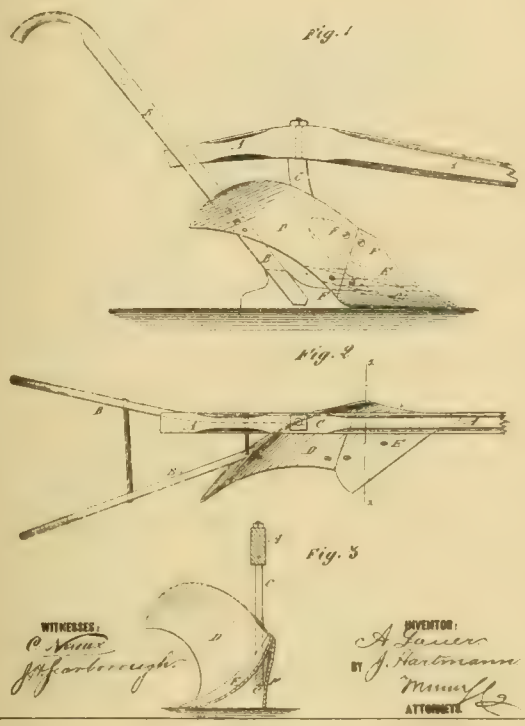
PLOW.

No. 189,885. Patented April 24, 1877.



A. LAUER & J. HARTMANN.
PLOWS.

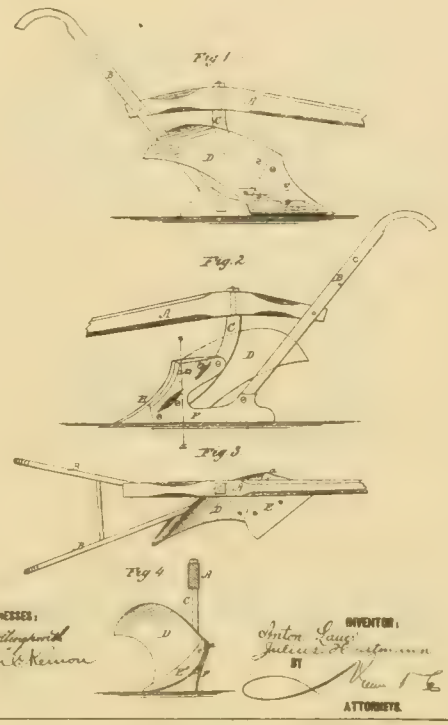
No. 190,500. Patented May 8, 1877.



2 Sheets—Sheet 1.

A. LAUER & J. HARTMANN.
PLOW

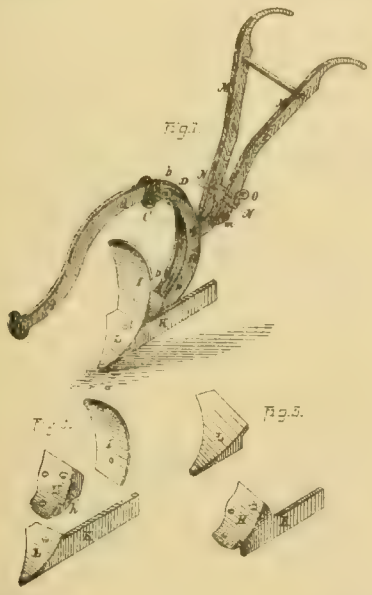
No. 7,803. Reissued July 17, 1877.



2 Sheets—Sheet 2.

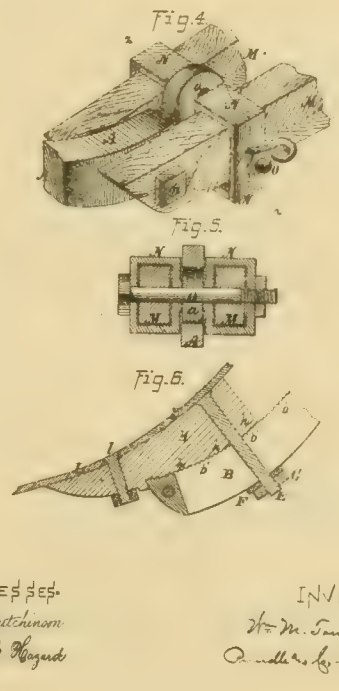
W. M. TOWERS.
PLOWS.

No. 190,932. Patented May 15, 1877.



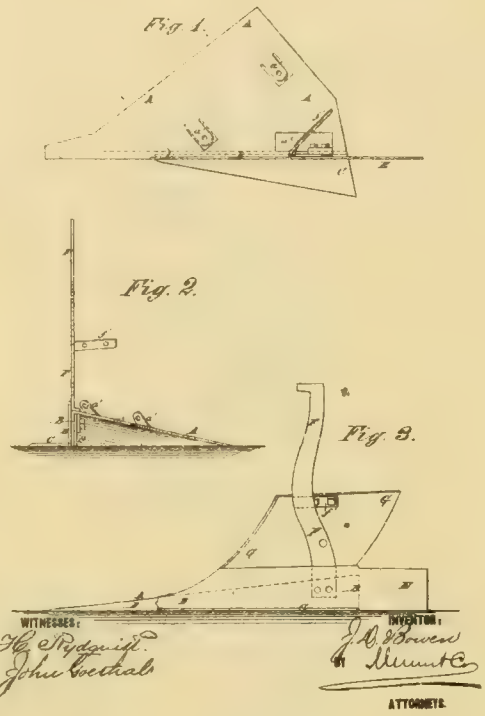
W. M. TOWERS.
PLOWS.

No. 190,932. Patented May 15, 1877.



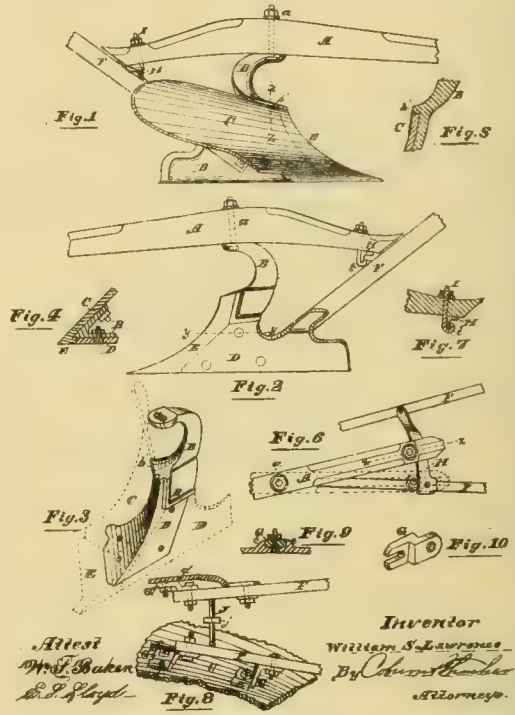
J. D. BOWEN.
PLOW.

No. 191,022. Patented May 22, 1877.



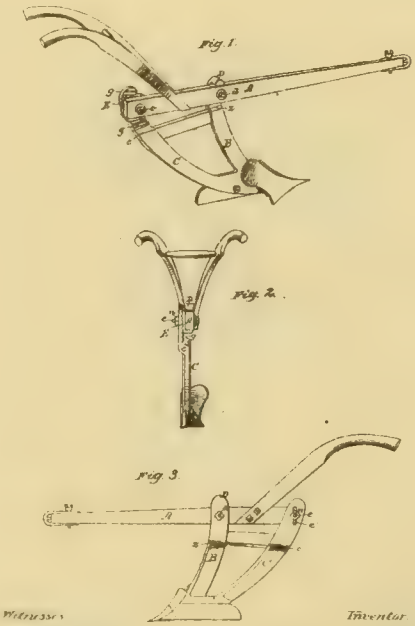
W. S. LAWRENCE.
PLOW.

No. 191,446. Patented May 29, 1877.



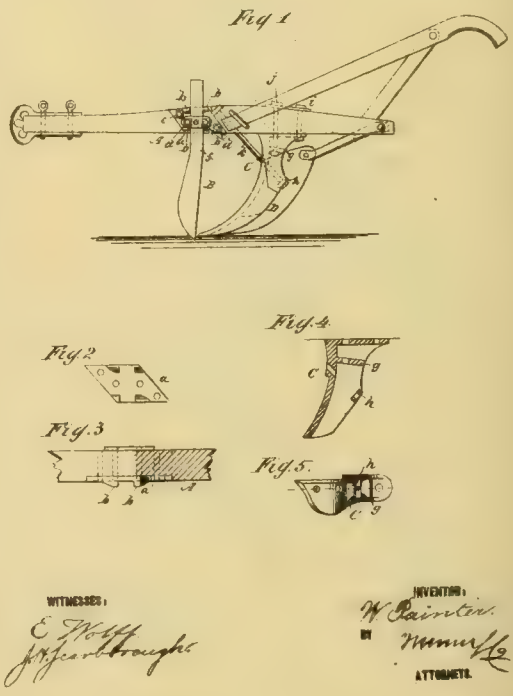
La F. W. LILES.
PLOW.

No. 191,683. Patented June 5, 1877.



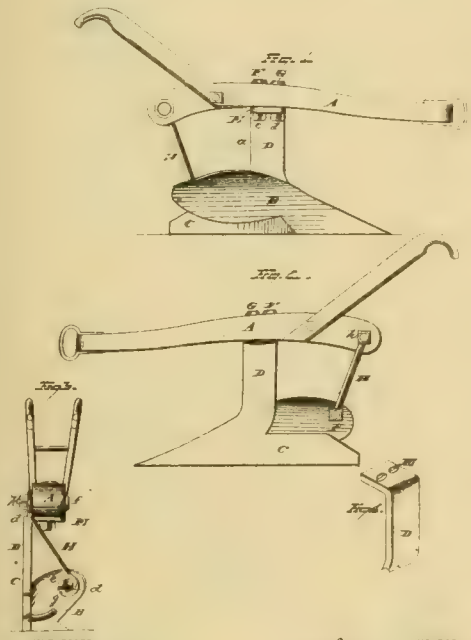
W. PAINTER.
STUMP-PLOW.

No. 192,930. Patented July 10, 1877.



T. B. JONES.
PLOWS.

No. 194,553. Patented Aug. 28, 1877.

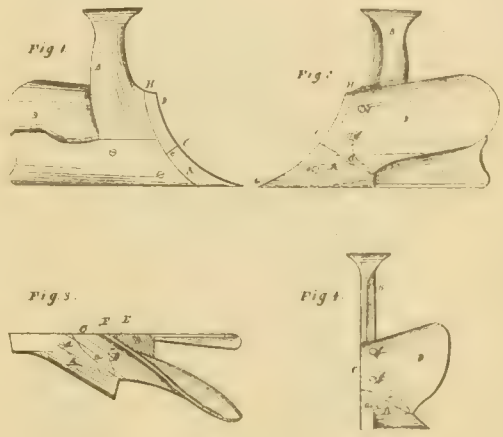


WITNESSES
E. S. Mathingham
A. M. Bright

INVENTOR
Thomas B. Jones
By H. W. Fuller
ATTORNEY

B. K. EMERSON.
MOLD-BOARD PLOWS.

No. 194,961. Patented Sept. 11, 1877.



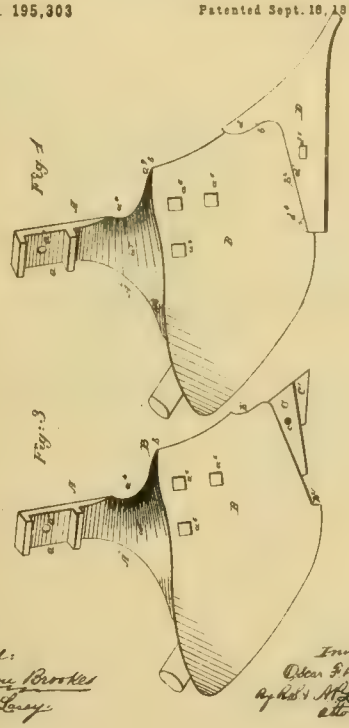
Witnesses
A. Hilly
H. J. Fischer

Inventor
B. K. Emerson
By Burnett & Co
Attys

3 Sheets—Sheet 1.

O. F. PHILLIPS.
PLOWS.

No. 195,303 Patented Sept. 18, 1877.



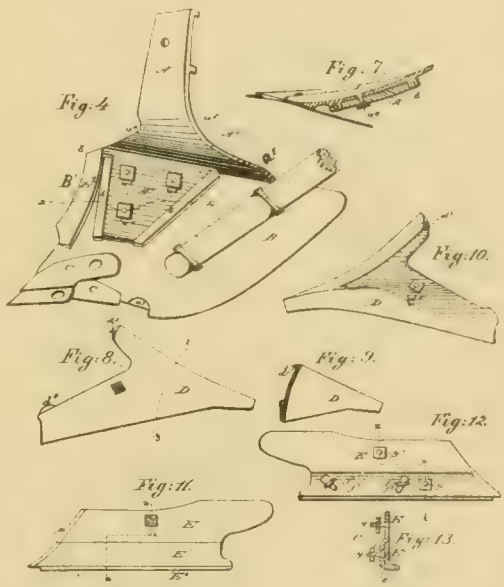
Witnesses:
Colborne Brookes
R. H. Lacey

Inventor:
Oscar F. Phillips
By Rob't H. Lacey
Attorneys

3 Sheets—Sheet 2.

O. F. PHILLIPS.
PLOWS.

No. 195,303 Patented Sept. 18, 1877.



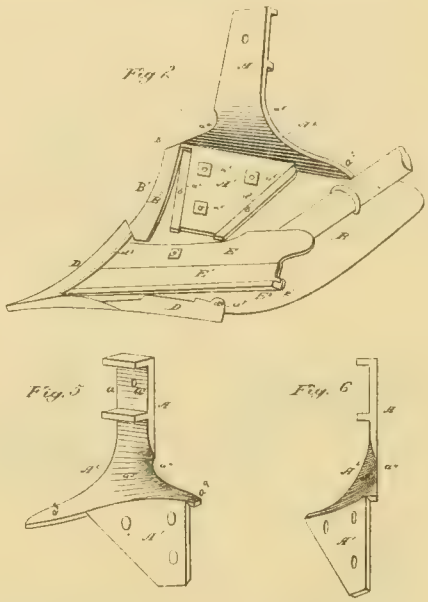
WITNESSES
Colborne Brookes
R. H. Lacey

INVENTOR
Oscar F. Phillips
By Rob't H. Lacey
ATTORNEYS

3 Sheets—Sheet 3.

O. F. PHILLIPS.
PLOWS.

No. 195,303. Patented Sept. 18, 1877.



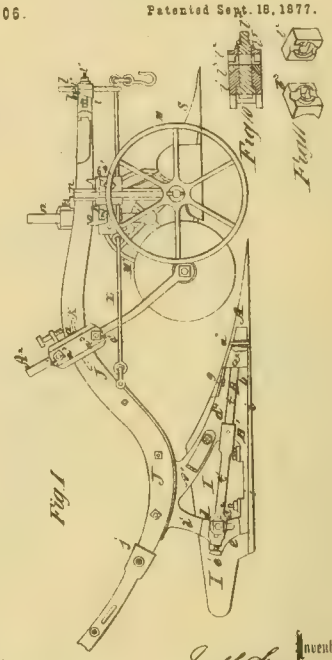
Witnesses:
Albert Brooks
R. H. Lacey

Inventor:
Oscar F. Phillips
By R. & A. H. Lacey
Attorneys

3 Sheets—Sheet 1.

J. SEAMAN.
PLOWS.

No. 195,406. Patented Sept. 18, 1877.



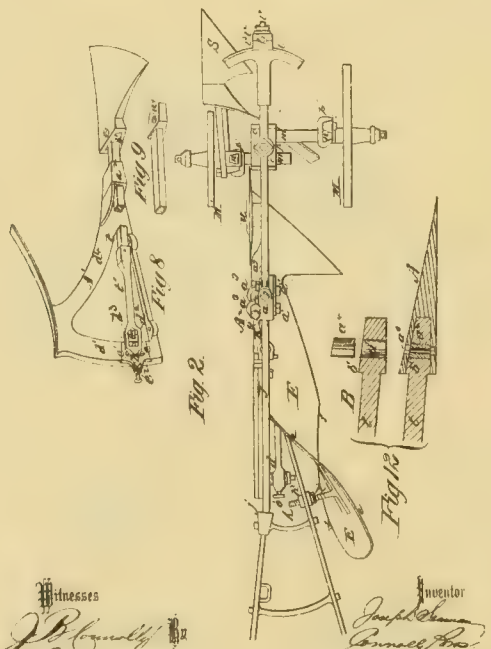
Witnesses
J. B. Connolly Jr.
A. Connolly

Inventor
Joseph Seaman
Connolly Bros
Attorneys

3 Sheets—Sheet 2.

J. SEAMAN.
PLOWS.

No. 195,406. Patented Sept. 18, 1877.



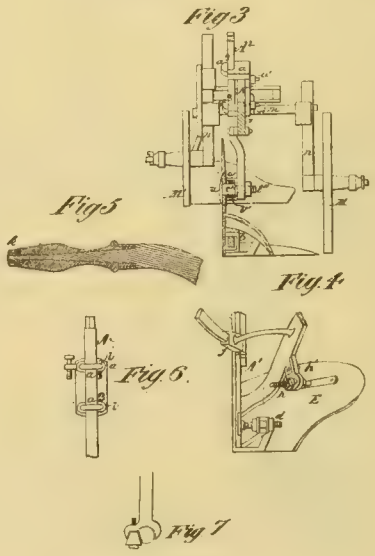
Witnesses
J. B. Connolly Jr.
A. Connolly

Inventor
Joseph Seaman
Connolly Bros
Attorneys

3 Sheets—Sheet 3

J. SEAMAN.
PLOWS.

No. 195,406. Patented Sept. 18, 1877.

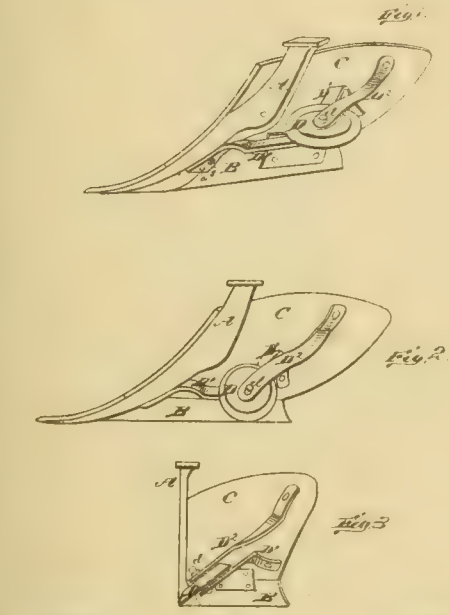


Witnesses
J. B. Connolly Jr.
A. Connolly

Inventor
Joseph Seaman
Connolly Bros
Attorneys

J. J. PIATT.
PLOWS

No. 195,642. Patented Sept. 25, 1877.

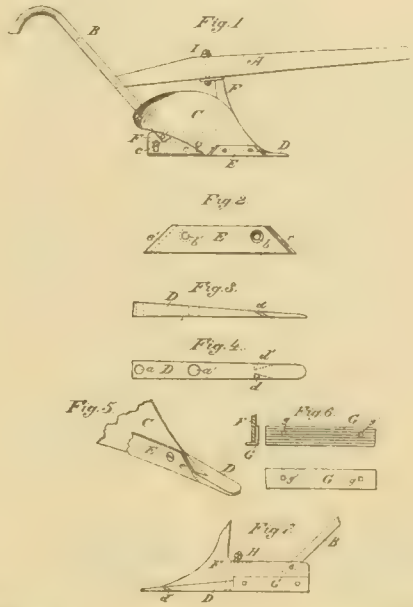


WITNESSES.
E. H. Porter
George T. Upham

Josiah J. Piatt INVENTOR.
George Smith & Co.
ATTORNEYS.

J. POSEY.
Plow.

No. 197,494. Patented Nov. 27, 1877.

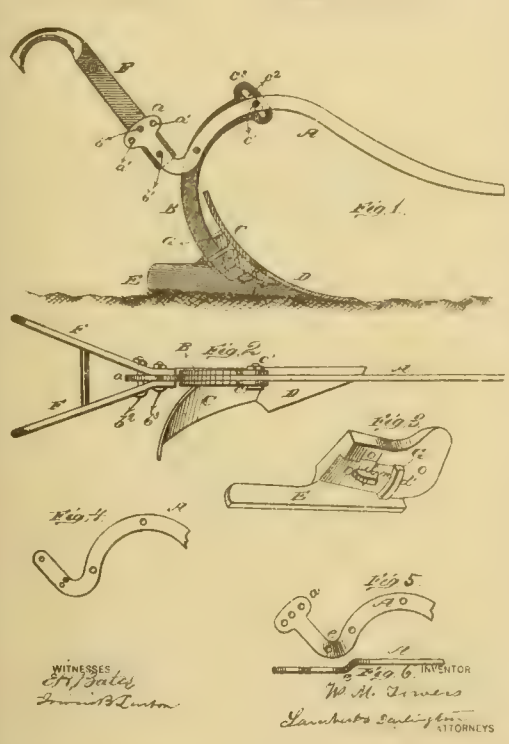


Witnesses
H. F. Schott
J. H. Romaker

James Posey Inventor
By H. J. Curtis
Atty.

W. M. TOWERS.
Plow

No. 197,691. Patented Nov. 27, 1877.



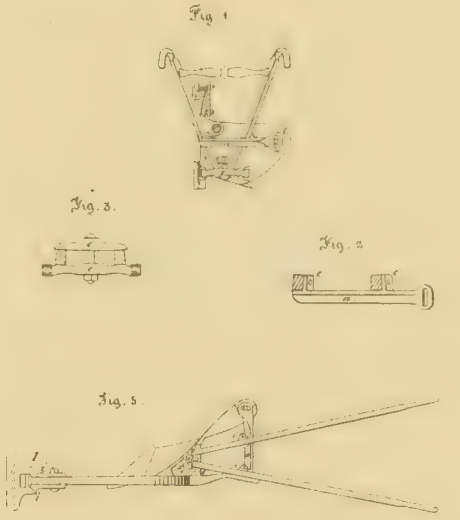
WITNESSES
E. H. Gale
Louis B. Dunton

W. M. Towers INVENTOR
Lawrence & Sedgwick
ATTORNEYS

2 Sheets—Sheet 1

H. WIARD.
Plow.

No. 197,918 Patented Dec. 4, 1877



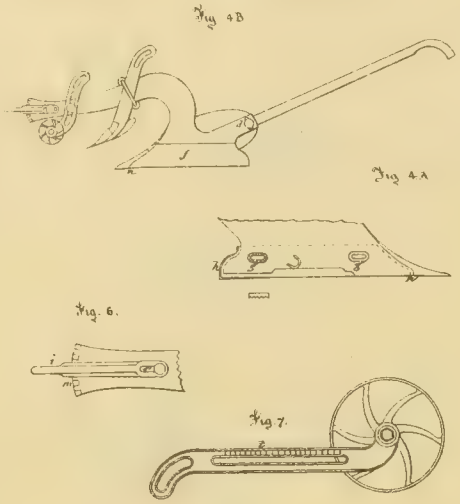
Witnesses.
Thomas Johns
A. White

Inventor.
Henry Wiard
By J. J. Greenough
Atty.

2 Sheets—Sheet 2.

H WIARD.
Plow.

No. 197,918. Patented Dec. 4, 1877

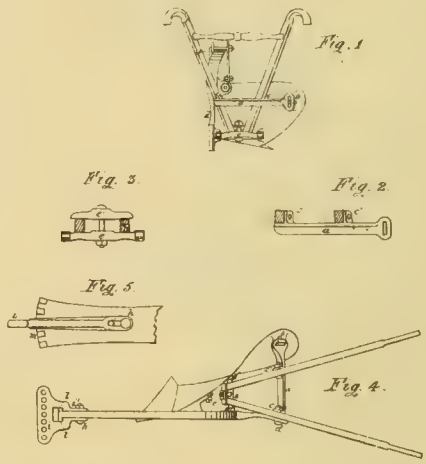


Witnesses:
Thomas Johns
A. White

Inventor:
Henry Wiard
By J. F. Greenough
Atty.

H. WIARD.
Plow.

No. 9,189. Reissued May 4, 1880.

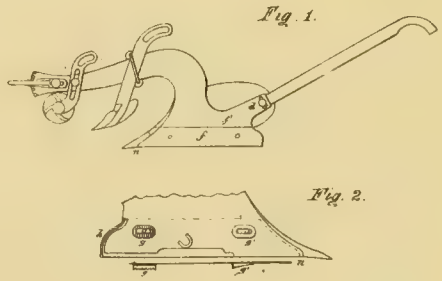


Witnesses:
J. F. Greenough
Lin. W. Hall

Inventor:
Henry Wiard

H WIARD.
Plow.

No. 9,190. Reissued May 4, 1880.

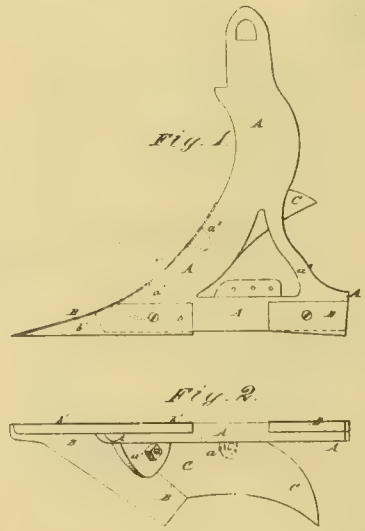


Witnesses:
J. F. Greenough
Lin. W. Hall

Inventor:
Henry Wiard

W. W. DAWSON.
Plow.

No. 198,002. Patented Dec. 11, 1877.

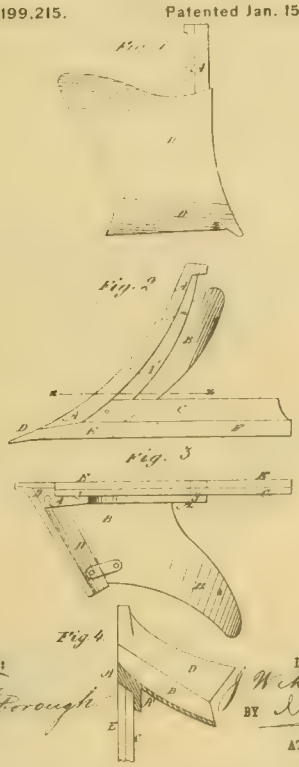


WITNESSES:
H. Ridgway
J. H. Scarborough

INVENTOR:
W. W. Dawson
BY Munn & Co
ATTORNEYS.

J. W. MAHONEY.
Plow.

No. 199,215. Patented Jan. 15, 1878.

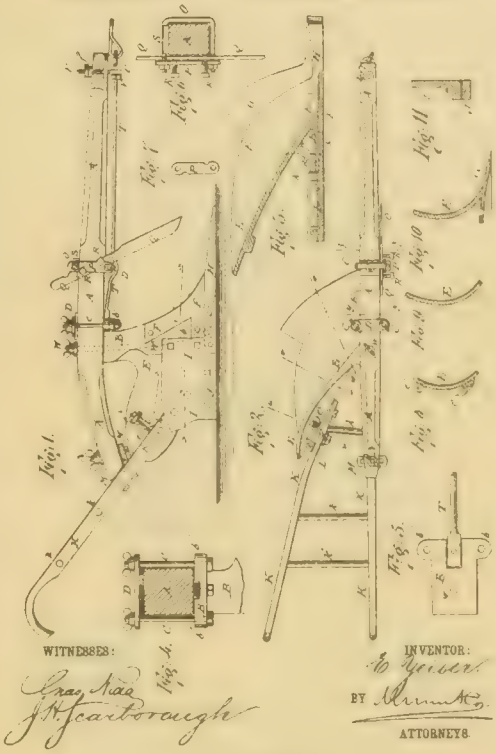


WITNESSES:
C. Neuns
J. H. Scarborough

INVENTOR:
W. Mahoney
BY Munn & Co.
ATTORNEYS.

E. YEISER
Plow.

No. 199,608. Patented Jan. 22, 1878.

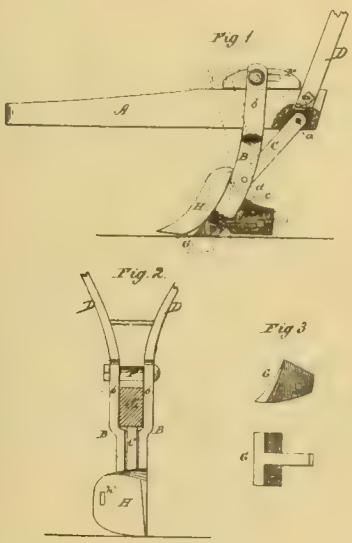


WITNESSES:
Gray Nae
J. H. Scarborough

INVENTOR:
E. Yeiser
BY Munn & Co.
ATTORNEYS.

D. P. FERGUSON.
Plow.

No. 199,812. Patented Jan. 29, 1878.

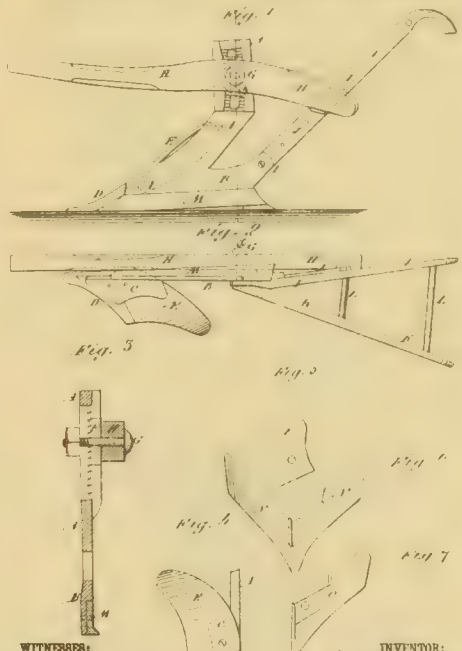


WITNESSES:
W. W. Hollingsworth
Geo. E. Kenion

INVENTOR:
D. P. Ferguson
BY Munn & Co.

J. H. RIGGAN.
Plow.

No. 200,478. Patented Feb. 19, 1878.

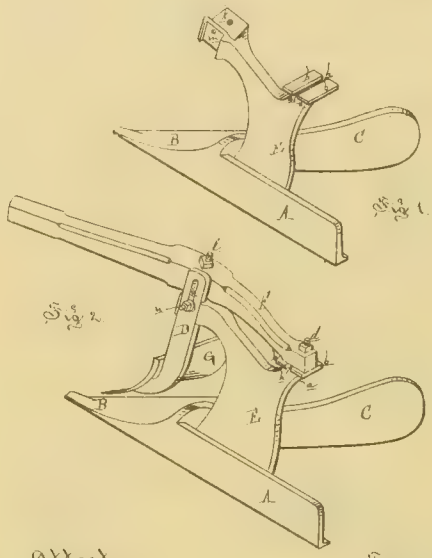


WITNESSES:
C. Neuns
J. H. Scarborough

INVENTOR:
J. H. Riggan
BY Munn & Co.
ATTORNEYS.

H. GALE.
Plow.

No. 200,861. Patented March 5, 1878.

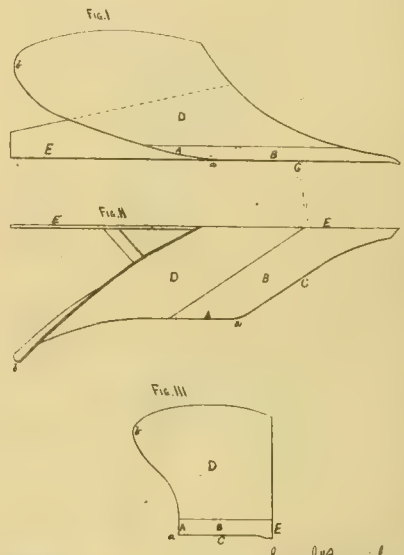


Witnesses:
H. L. Apple
Chas. Freeman.

Inventor:
H. Gale
By Att.
Wm. A. Sprague

S. H. BOGENRIEF & W. PATTISON.
Plow.

No. 201,153. Patented March 12, 1878.



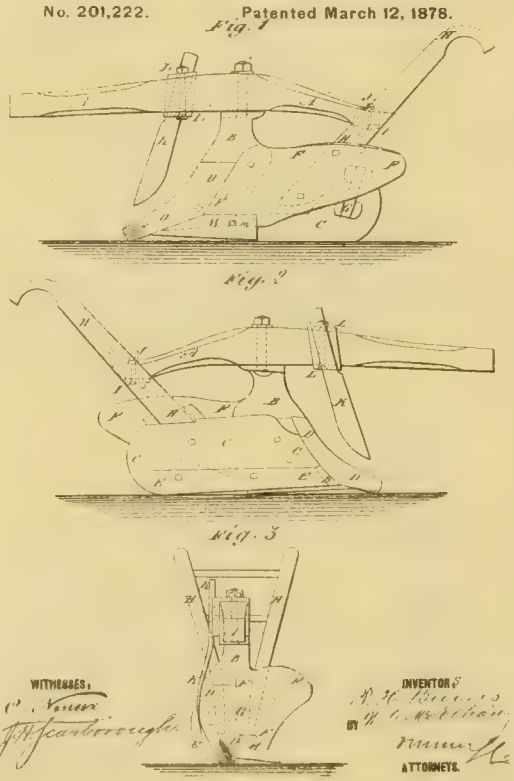
Witnesses.
J. Henry Fitz
C. H. Woodward

Samuel H. Bogenrief
William Pattison,
Inventor's, By,
Louis Fraser Ble.
Att'y.

2 Sheets—Sheet 1.

P. H. BURNS & W. G. McELHANY.
Plows.

No. 201,222. Patented March 12, 1878.



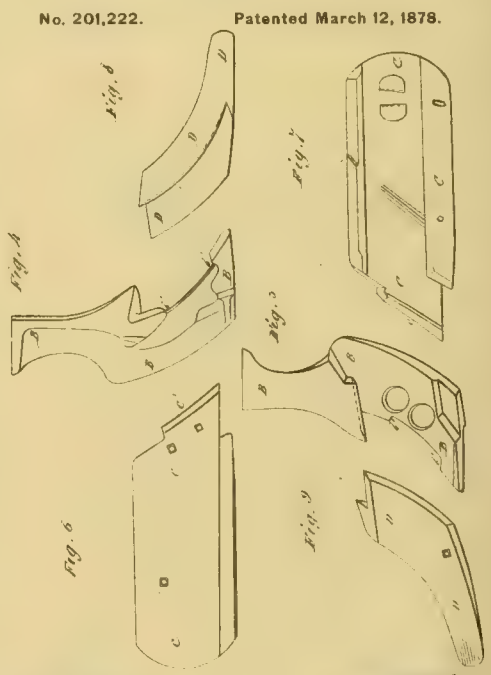
WITNESSES:
C. Neuer
J. H. Scarborough

INVENTORS
P. H. Burns
BY W. G. McElhany
Munn & Co
ATTORNEYS.

2 Sheets—Sheet 2

P. H. BURNS & W. G. McELHANY.
Plows.

No. 201,222. Patented March 12, 1878.

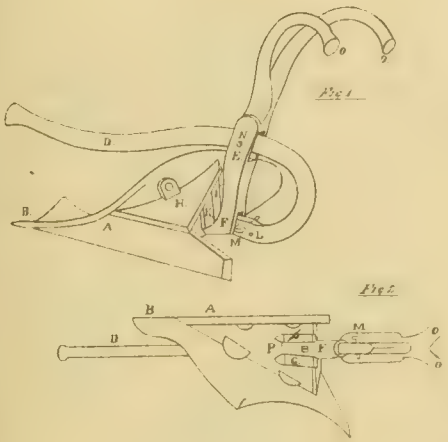


WITNESSES:
C. Neuer
J. H. Scarborough

INVENTORS
P. H. Burns
BY W. G. McElhany
Munn & Co

C. A. WEED.
Plow.

No. 201,471. Patented March 19, 1878.

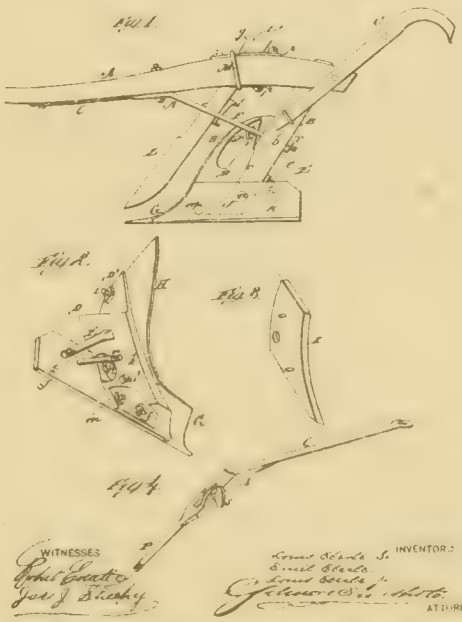


WITNESSES:
O. O. Stoll
Chas. A. Smith

INVENTOR.
Clinton A. Weed
By J. B. Smith
Atty in fact

L. EBERLE, Sr., E. EBERLE & L. EBERLE, Jr.
Plow.

No. 201,510. Patented March 19, 1878.

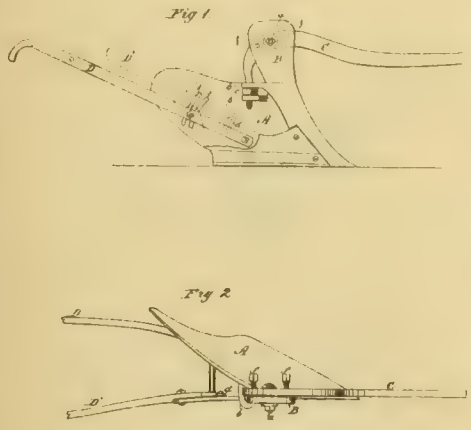


WITNESSES
John Ernst
Geo. J. Busby

INVENTORS
Louis Eberle Sr.
Ernst Eberle
Louis Eberle Jr.
Johnson & Co. Atty's
ATTORNEYS

C. KOPPENHEFFER.
Plow.

No. 201,786. Patented March 26, 1878.

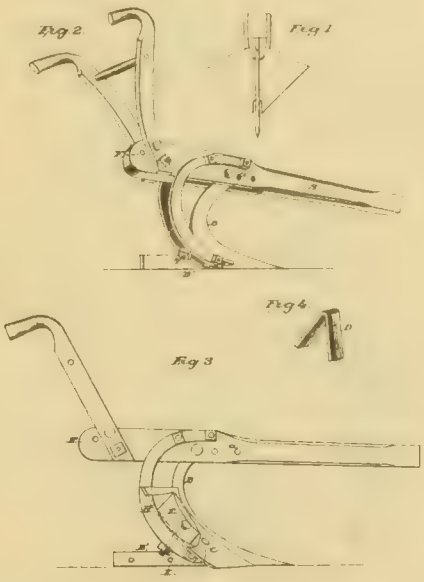


WITNESSES:
W. W. Hollingsworth
Edwd. W. Byrn

INVENTOR:
C. Koppenheffer
BY
ATTORNEYS.

G. W. & W. F. WIMPEE.
Plow.

No. 202,688. Patented April 23, 1878.

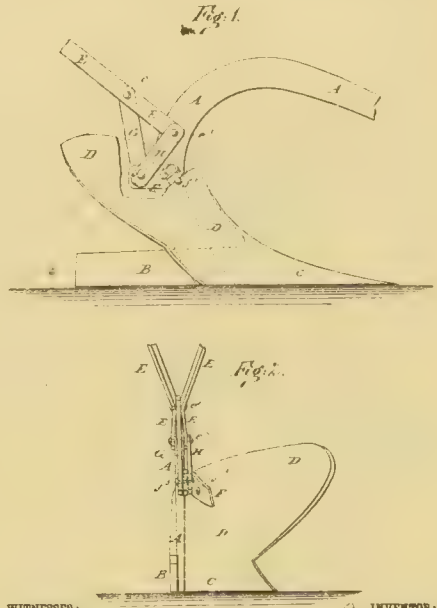


Attest
John Pratt
John A. Wilson

Inventors
George W. Wimpee
William F. Wimpee

J. OLDENDORPH, Jr.
Plow.

No. 202,746. Patented April 23, 1878.

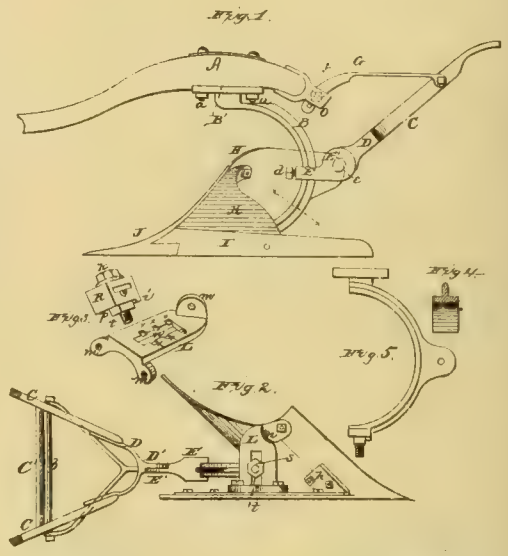


WITNESSES:

INVENTOR:
J. Oldendorph Jr.
BY Munn & Co.
ATTORNEYS.

G. S. HAVEN.
Plow.

No. 202,817. Patented April 23, 1878.

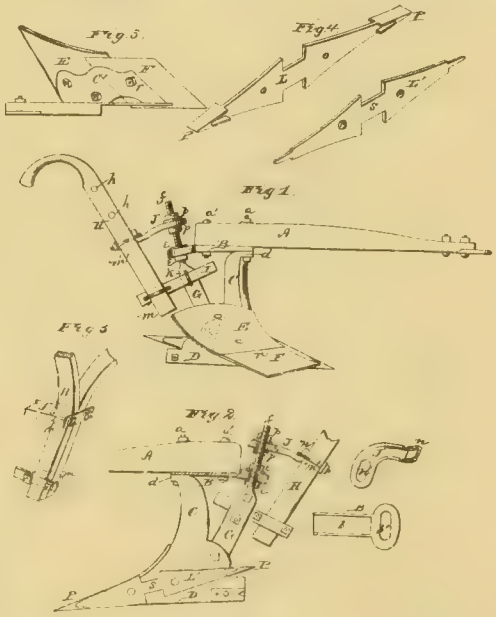


WITNESSES

INVENTOR
George S. Haven
Alexander Stuart
ATTORNEYS

G. & P. REESE.
Plow.

No 203,192. Patented April 30, 1878.

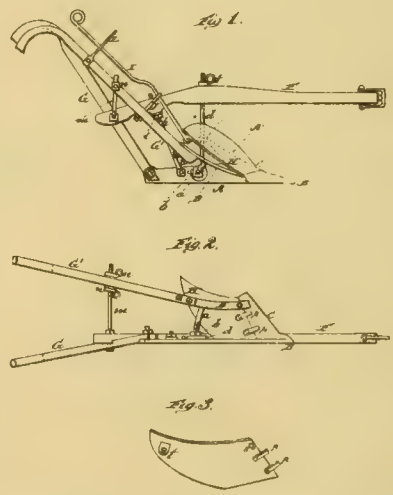


WITNESSES

INVENTOR
Geo Reese and
Paul Reese
Alexander Stuart
ATTORNEYS

F NITSCHMANN.
Plow

No. 204,361. Patented May 28, 1878.

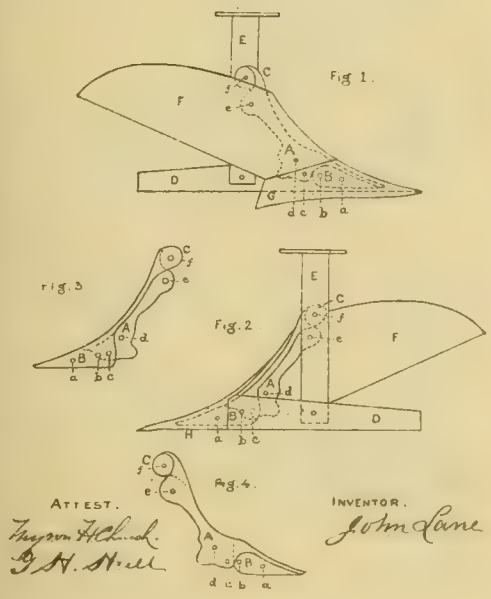


WITNESSES

INVENTOR.
Fritz Nitschmann.
Gilmore, Smith & Co.
ATTORNEYS.

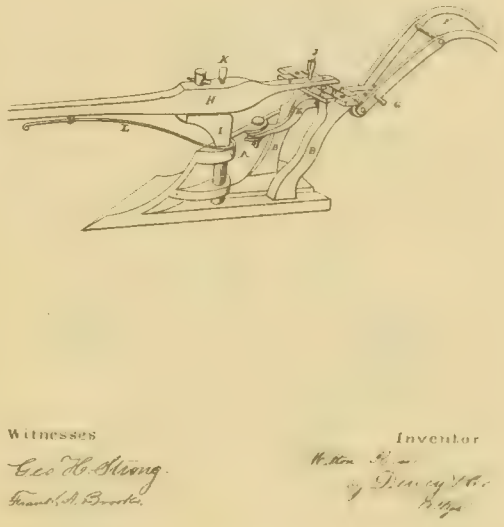
J. LANE.
Plow.

No. 204,902. Patented June 18, 1878.



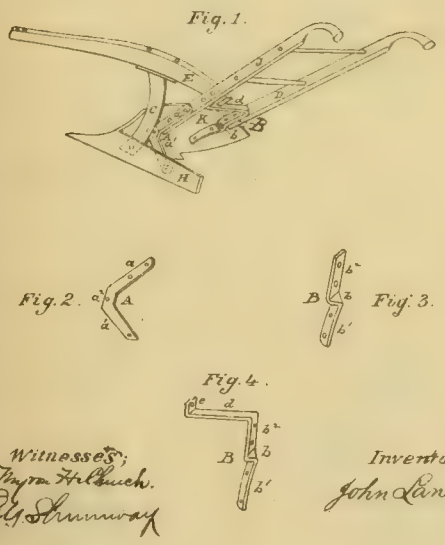
M. ROSS.
Vineyard-Plow.

No. 204,998. Patented June 18, 1878.



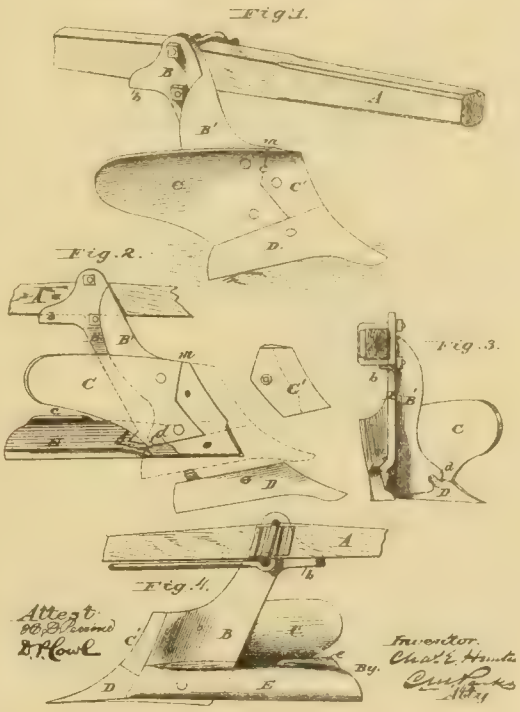
J. LANE.
Plow.

No. 205,491. Patented July 2, 1878.



C. E. HUNTER.
Plow.

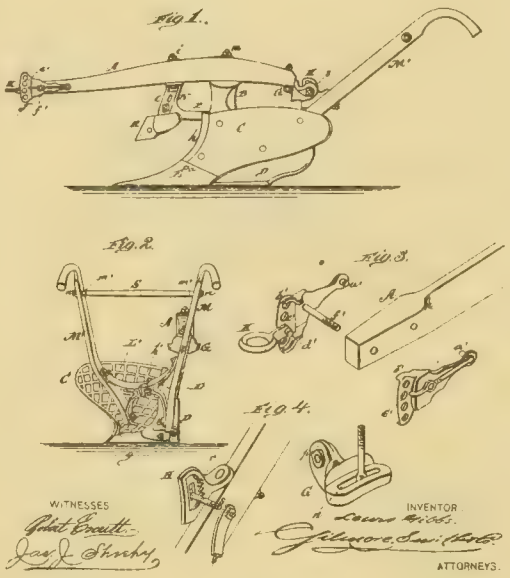
No. 205,552. Patented July 2, 1878.



2 Sheets—Sheet 1

L. GIBBS.
Plow.

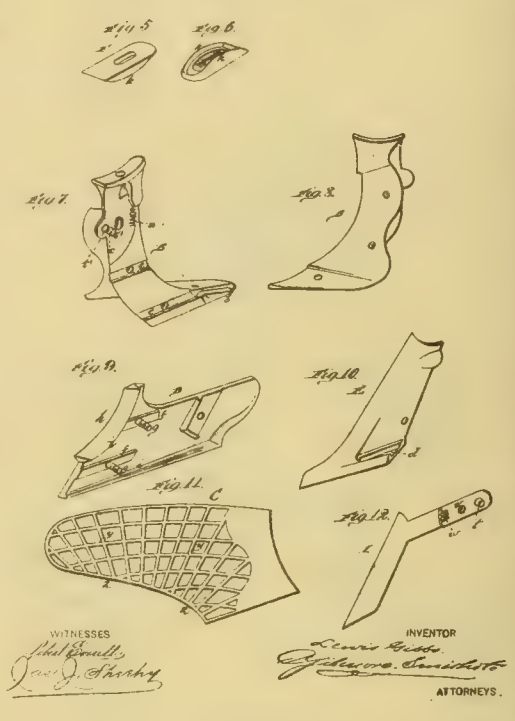
No. 205,631. Patented July 2, 1878.



2 Sheets—Sheet 2.

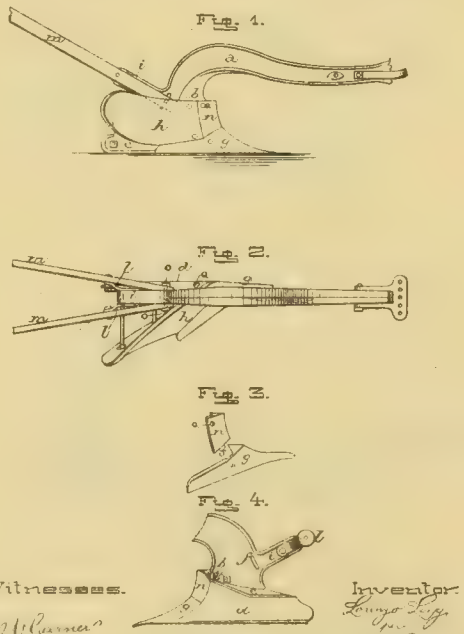
L. GIBBS.
Plow.

No. 205,631. Patented July 2, 1878.



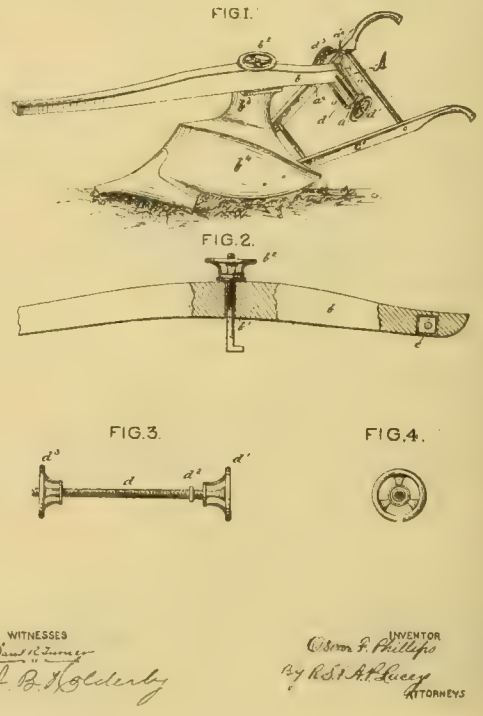
L. LING.
Plow.

No. 205,657. Patented July 2, 1878.



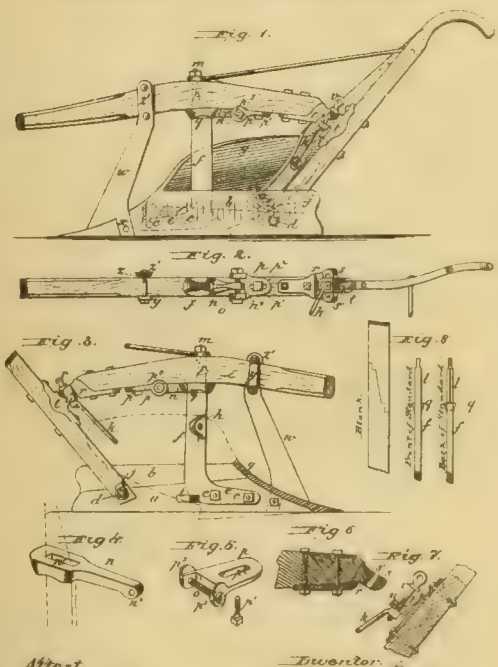
O. F. PHILLIPS.
Plow.

No. 205,977. Patented July 16, 1878.



F. STRIDDE.
Plows.

No. 206,639. Patented July 30, 1878.

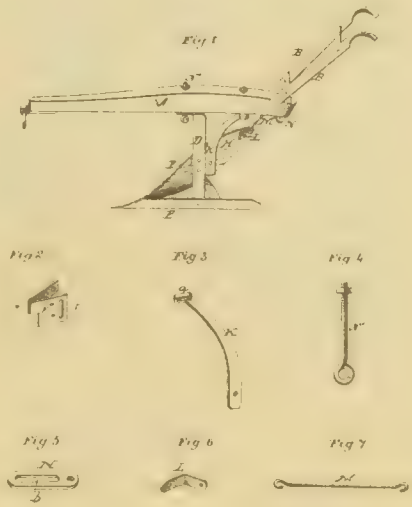


Attest.
H. C. Verrue
Floyd Narre

Inventor.
Friedrich Stridde
by Johnson & Johnson
Attys

J. MARTIN.
Plow.

No. 206,806. Patented Aug. 6, 1878.



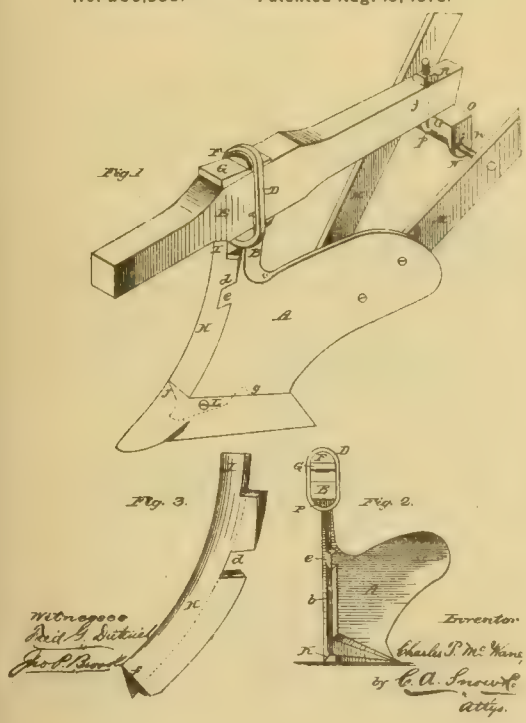
Attest
J. G. Medlin
J. V. McCormick

Inventor
Jacob Martin

2 Sheets—Sheet 1

C. P. McWANE.
Plow.

No. 206,958. Patented Aug. 13, 1878.



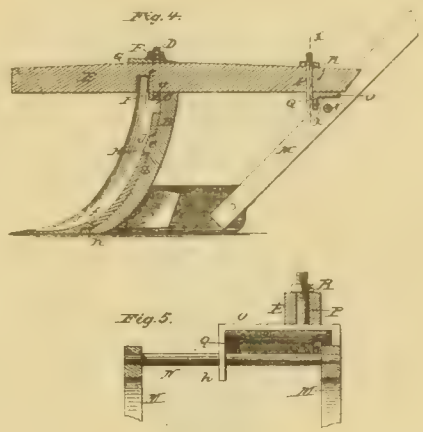
Witnesses
Reid G. Dutton
Jno. P. Brooks

Inventor
Charles P. McWane
by C. A. Snow & Co
attys.

2 Sheets—Sheet 2.

C. P. McWANE.
Plow.

No. 206,958. Patented Aug. 13, 1878.

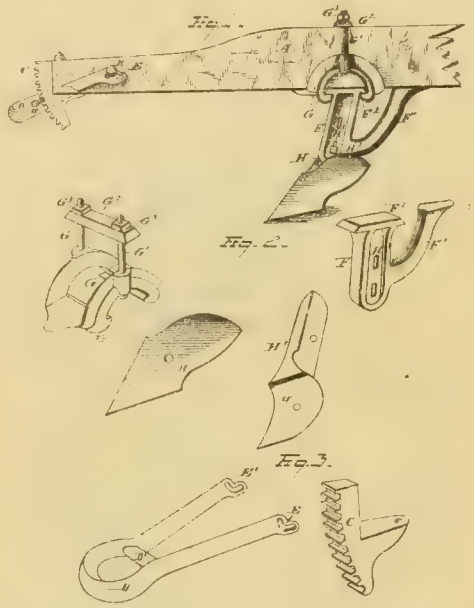


Witnesses:
Reid G. Dutton
Jno. P. Brooks

Inventor
Charles P. McWane
by C. A. Snow & Co
Attys

L. GIBBS.
Plow.

No. 207,174. Patented Aug. 20, 1878.

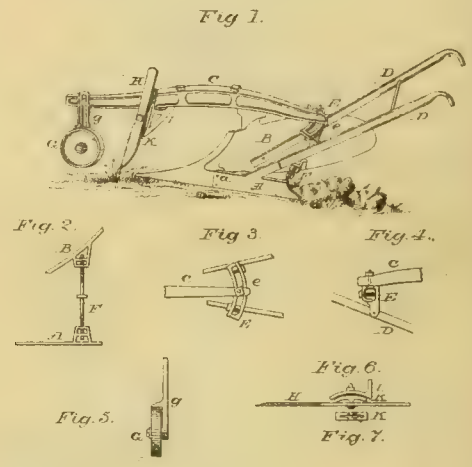


WITNESSES
E. F. Rollinghaw
A. M. Bright

INVENTOR
Lewis Gibbs.
By Seagrett & Seagrett
ATTORNEYS

F. K. JENNINGS.
Plow.

No. 207,873. Patented Sept. 10, 1878.

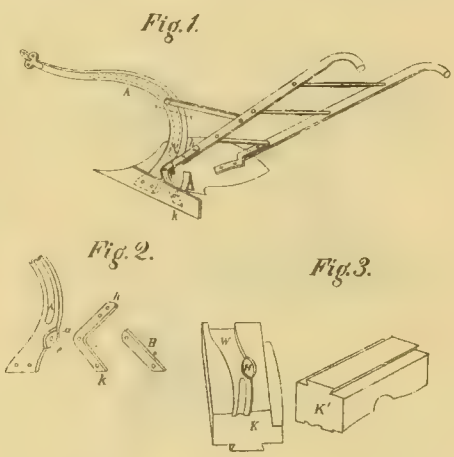


Witnesses:
Burt Butt
Ar Bisby

Inventor:
Frank K. Jennings

J. LANE.
Plow.

No 209,174. Patented Oct. 22, 1878.

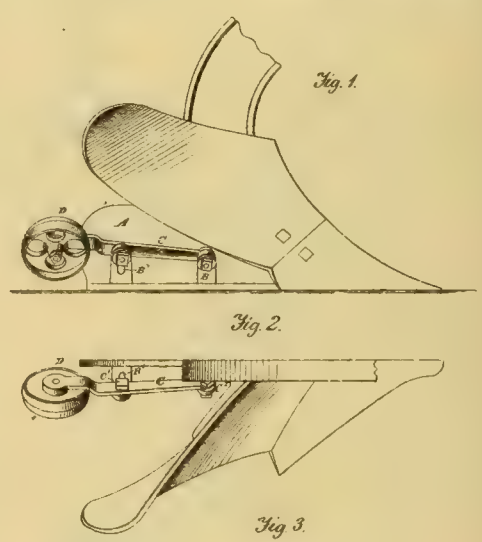


Witnesses,
William Ottman
W. Bertram

Inventor
John Lane

A. GOODYEAR
Plow.

No. 209,758. Patented Nov. 12, 1878.



Witnesses.
A. Rupert
J. G. Mason

A. Goodyear
Inventor:
D. T. Hollaway & Co
Attys

J. A. SMITH.
Plow.

No. 209,779. Patented Nov. 12, 1878.

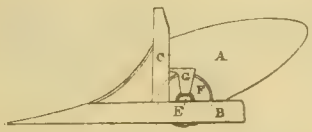


Fig. 1.

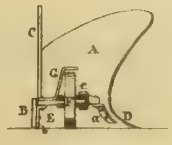


Fig. 2.

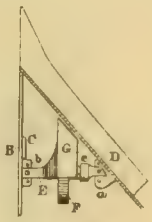


Fig. 3.

Fig. 4.

Fig. 5.

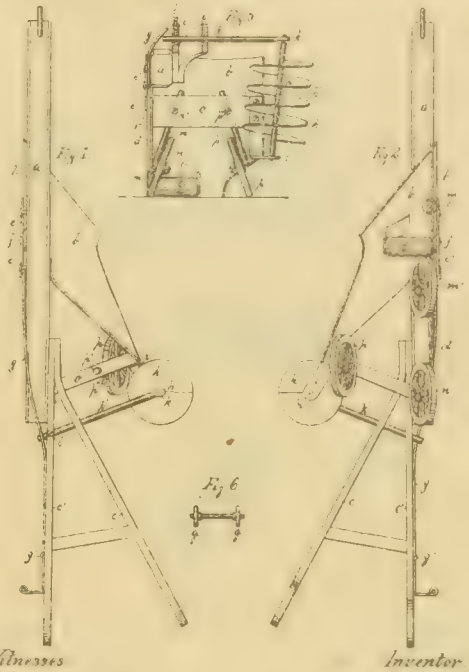
Witnesses.
John Stanley
Barthur Thurlow

Inventor.
James A. Smith
by L. Dustin Atty in fact

2 Sheets—Sheet 1

T. E. JEFFERSON.
Plow.

No. 210,202. Patented Nov. 26, 1878.



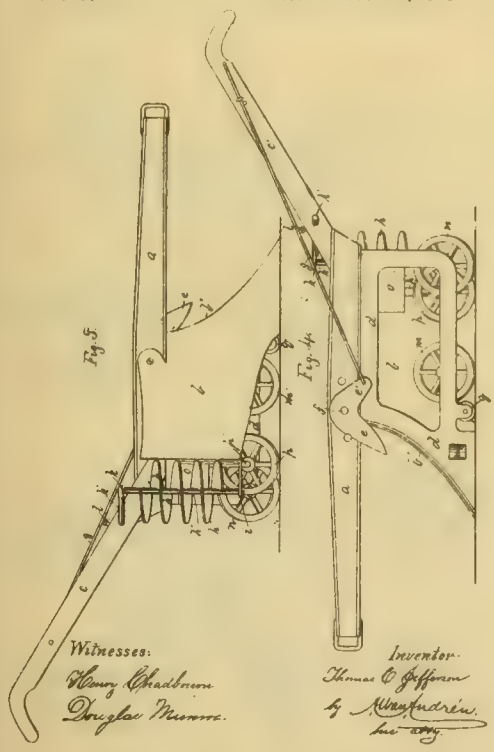
Witnesses
Henry Chadbourn
Douglas Munro.

Inventor
Thomas E. Jefferson
by M. Wm. Andrew
his atty

2 Sheets—Sheet 2.

T. E. JEFFERSON.
Plow.

No. 210,202. Patented Nov. 26, 1878.

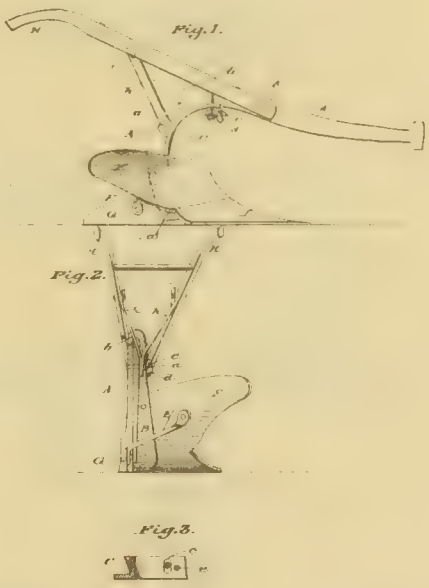


Witnesses:
Henry Chadbourn
Douglas Munro.

Inventor.
Thomas E. Jefferson
by M. Wm. Andrew,
his atty.

J. URIE, Sr.
Plow.

No. 210,728 Patented Dec. 10, 1878.

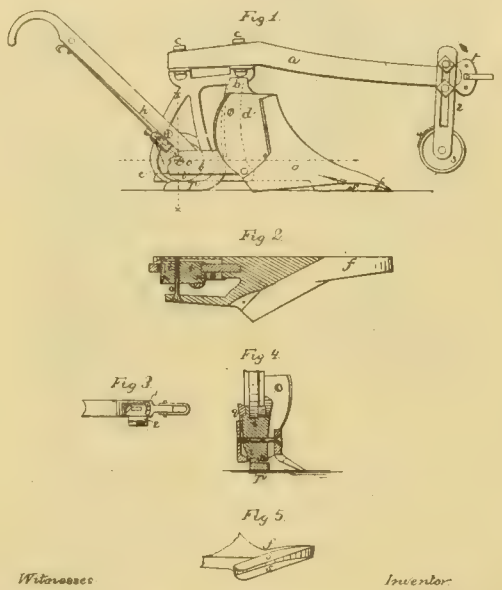


WITNESSES
John A. Cross
Robert Bonnyfine

INVENTOR
James Urie, Sr.
by H. Eaves
ATTORNEY

J. I. EAVENSON.
Plow.

No. 211,557. Patented Jan. 21, 1879.

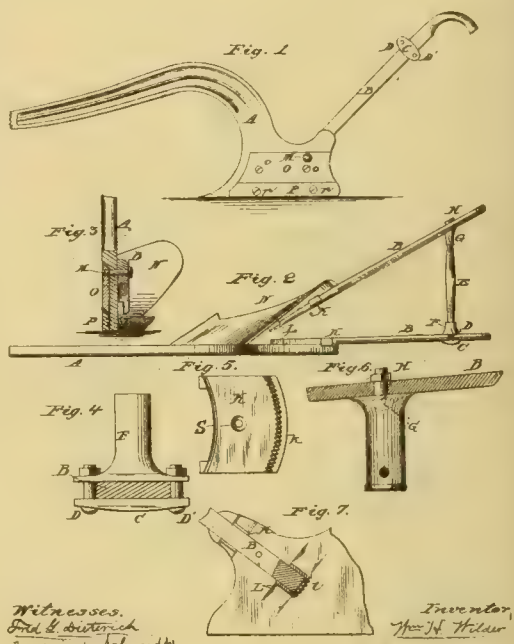


Witnesses
J. W. Garner
W. S. D. Hamer

Inventor
Jas. I. Eavenson
per
F. A. Lehmann,
atty

W. H. WILDER.
Plow.

No. 211,822. Patented Jan. 28, 1879.

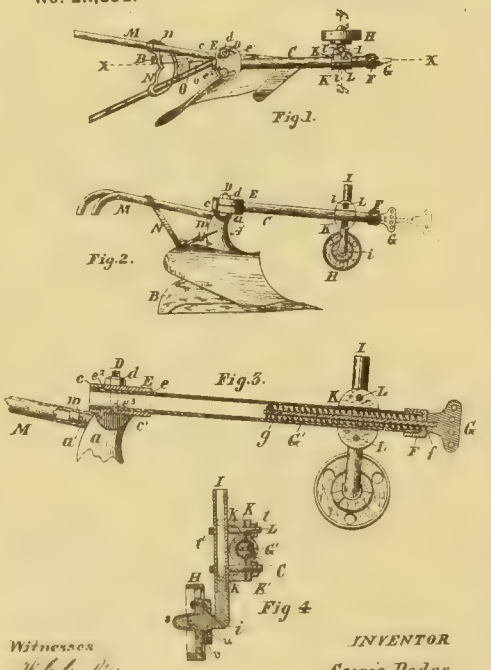


Witnesses.
Fred. L. Dieterich
Ferdinand Schmidt

Inventor,
Wm. H. Wilder
per Daniel Breed
atty

G. DODGE.
Plow.

No. 211,892. Patented Feb. 4, 1879.

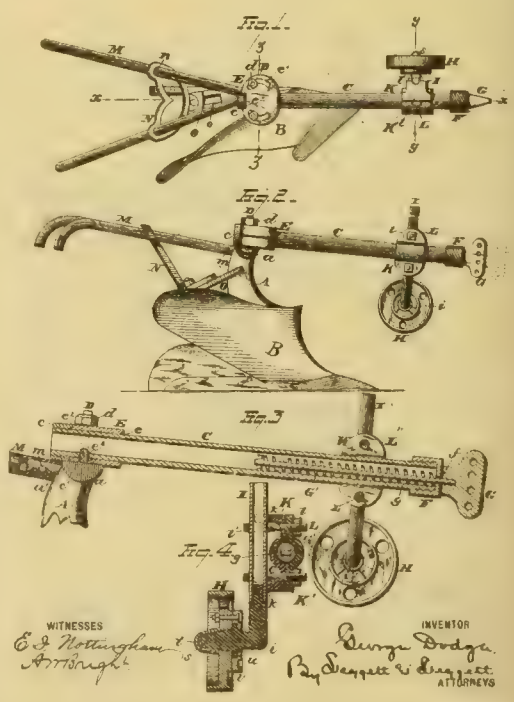


Witnesses
W. C. Ewin
Jno. C. MacGregor

INVENTOR
George Dodge.
By Osborn & Thacher
Attorneys

G DODGE. 2 Sheets—Sheet 1.
Assignor of one-half interest to E. ALLEN
Plow.

No. 8,926. Reissued Oct. 14, 1879.



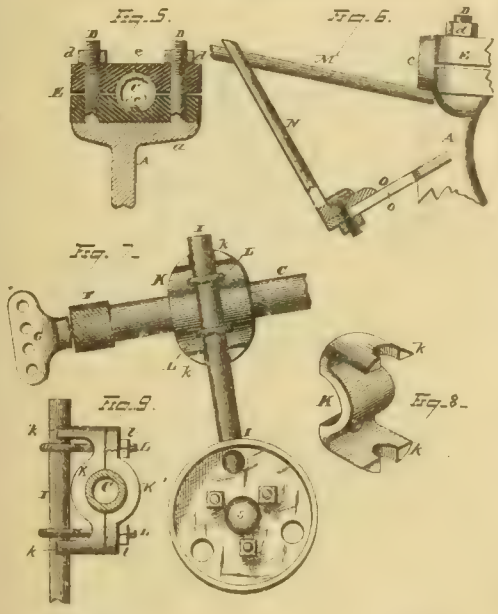
WITNESSES
E. J. Nottingham
A. T. Bright

INVENTOR
George Dodge.
By Dewey & Duggett
ATTORNEYS

2 Sheets—Sheet 2.

G DODGE,
Assignor of one-half interest to E ALLEN
Plow.

No. 8,926. Reissued Oct. 14, 1879.

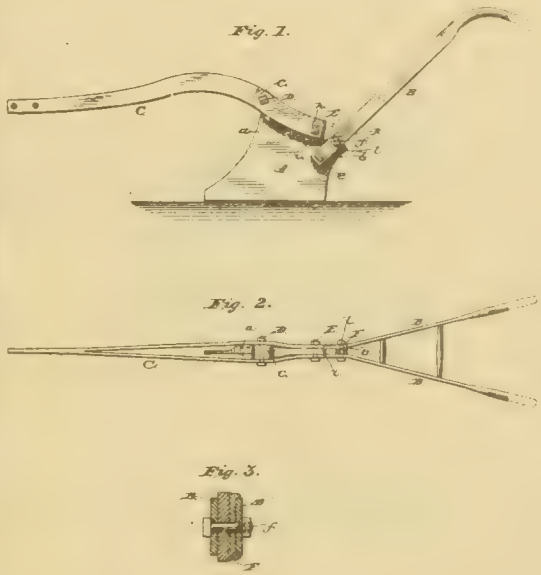


WITNESSES
E. F. Nottingham
A. M. Bright

INVENTOR
George Dodge
By Duggett & Duggett
ATTORNEYS

T. CARLSON.
Plow.

No. 212,188. Patented Feb. 11, 1879

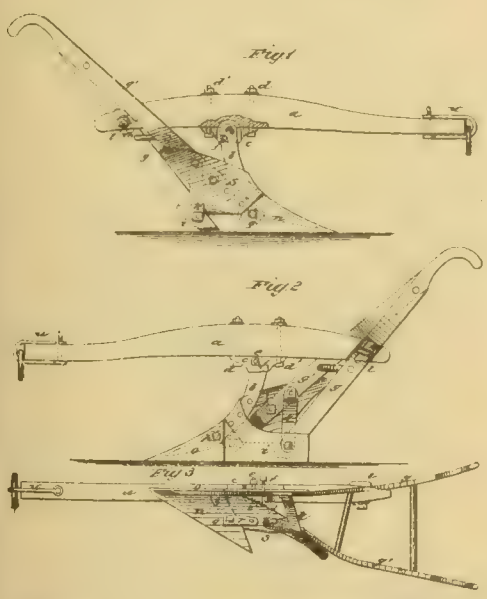


Witnesses:
Thos. Mungen

Inventor:
Thure Carlson
By H. F. Eunis,
Attorney

L. E. WOODWARD.
Plow.

No. 212,295. Patented Feb. 11, 1879.

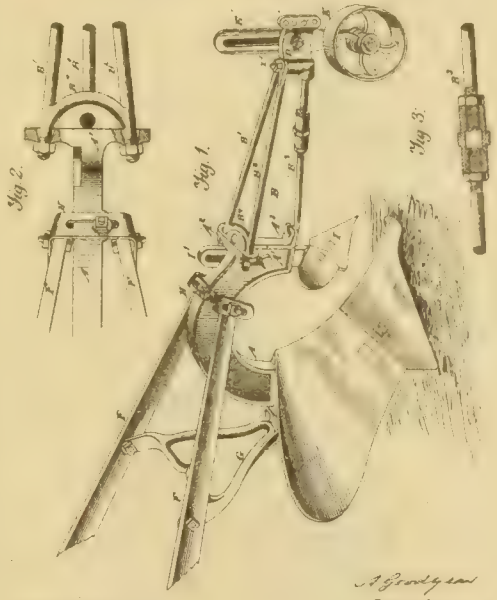


WITNESSES:
Thomas McCardle.
C. Sedgwick

INVENTOR:
L. E. Woodward
BY Munn & Co
ATTORNEYS.

A. GOODYEAR.
Plow.

No. 213,188 Patented Mar. 11, 1879.

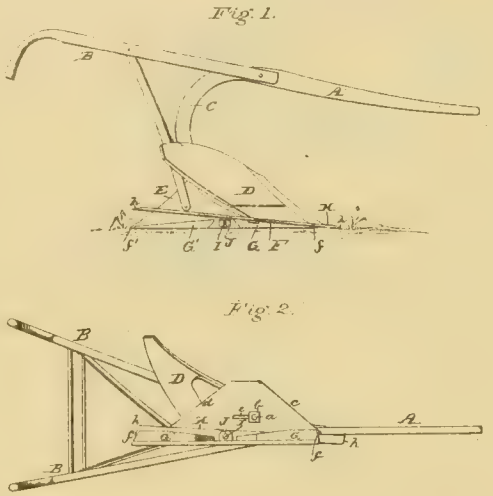


Witnesses.
A. Rippert
J. G. Mason.

A. Goodyear
Inventor:
D. P. Holloway & Co
Attys

W. S. JOHNSON
Plow.

No 213,661. Patented Mar. 25, 1879.

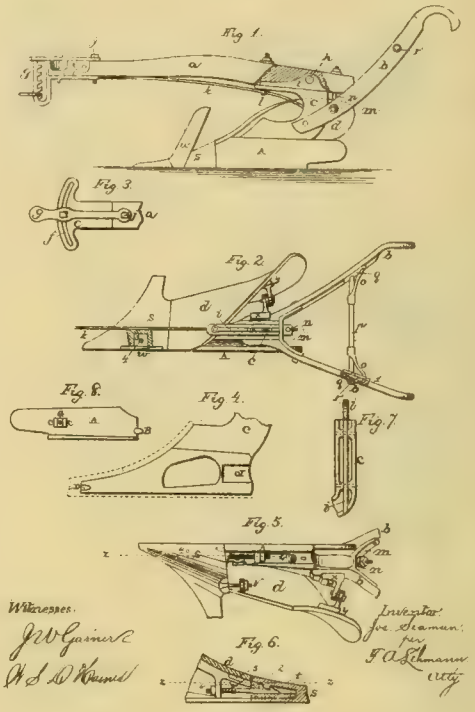


Witnesses:
Jno W Russell
Alex Summer

Inventor:
Wm S Johnson
per C. A. Snow & Co
attorneys

J. SEAMAN
Plow.

No. 214,201. Patented April 8, 1879.

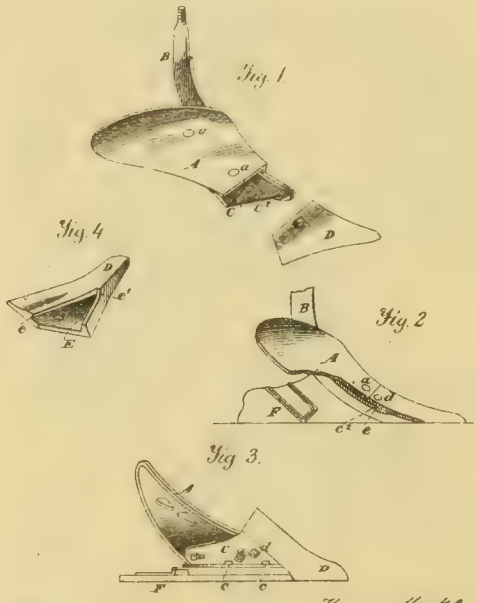


Witnesses.
J W Gaines
H S D Wurmel

Inventor
Joe Seaman
per
F A Lehmann
Atty

T. MEIKLE & B. COLEMAN.
Plow.

No. 214,259. Patented April 15, 1879.

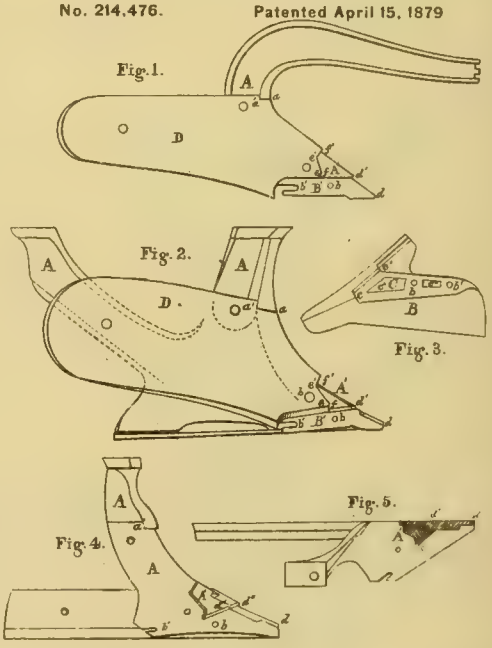


Witnesses.
A. Ruppert
W. M. Dewey

Thomas Meikle
B Coleman
Inventors.
D. W. Holloway
Atty

A. W. WASHBURN.
Plow.

No. 214,476. Patented April 15, 1879

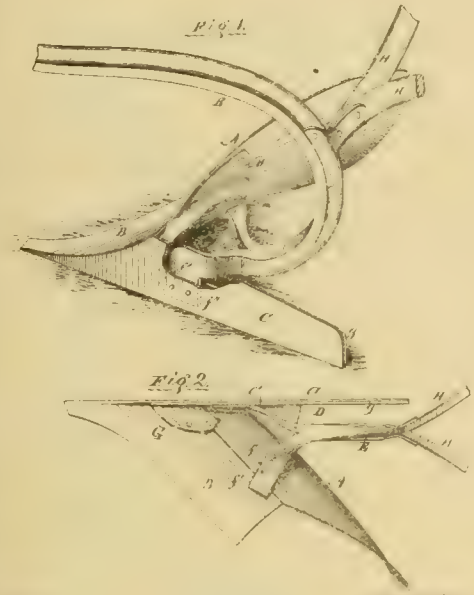


Witnesses
B. D. Ryan
D. P. Cook

Inventor
Amos W. Washburn
By W. R. Singleton
Atty

C. O. WILDER.
Plow.

No. 214,737. Patented April 22, 1879.

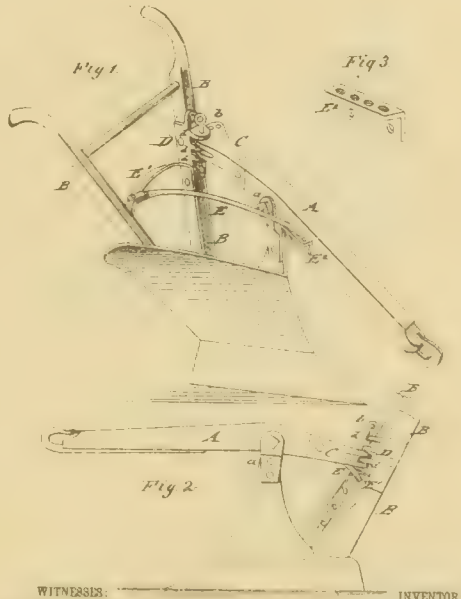


Witnesses:
M. F. Burrage
P. W. Richards

Inventor:
Chas. O. Wilder,
By W. D. Richards,
Atty.

J. KINSTLER.
Plow.

No. 214,924. Patented April 29, 1879.



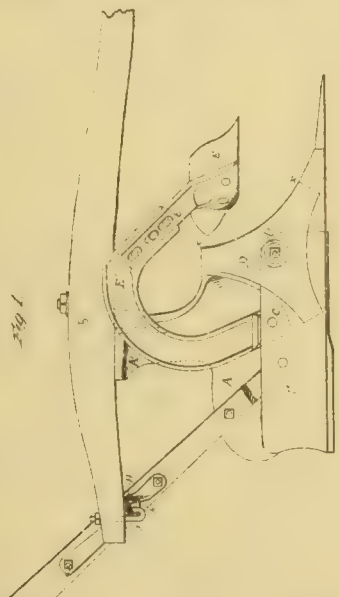
WITNESSES:
Henry A. Butler
C. Sedgwick

INVENTOR:
J. Kinstler
BY Munn & Co.
ATTORNEYS.

3 Sheets—Sheet 1

J. W. KLINELINE.
Plow.

No. 215,634. Patented May 20, 1879.



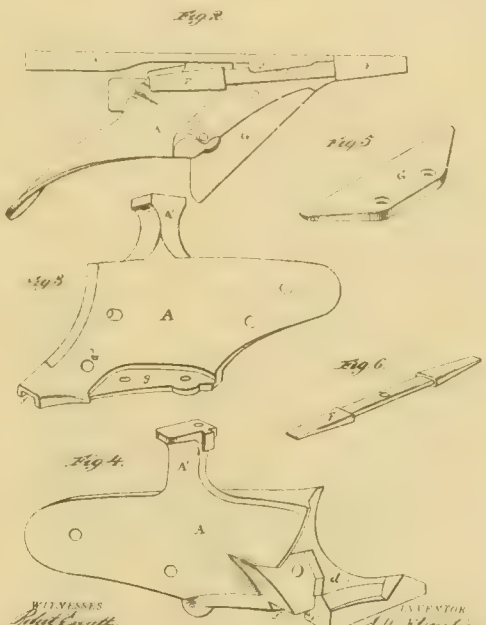
WITNESSES
Geo. Everett
Vinton Coombs

INVENTOR
J. W. Klineline
By
S. J. Coombs,
ATTORNEYS

3 Sheets—Sheet 2

J. W. KLINELINE.
Plow.

No. 215,634. Patented May 20, 1879.



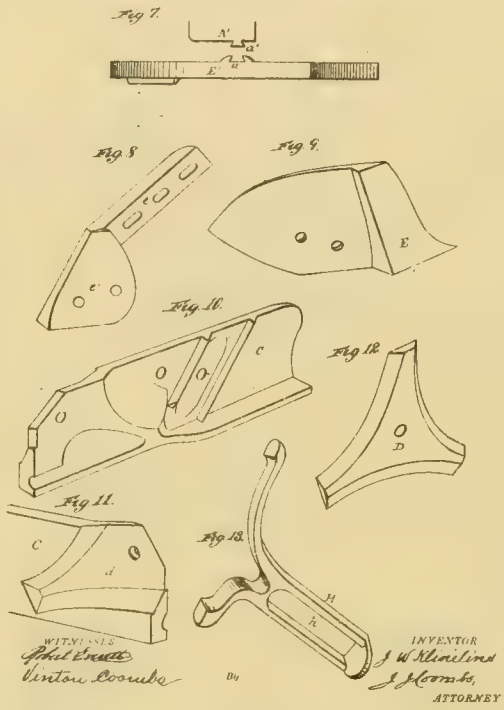
WITNESSES
Geo. Everett
Vinton Coombs

INVENTOR
J. W. Klineline
By
S. J. Coombs,
ATTORNEY

3 Sheets—Sheet 3.

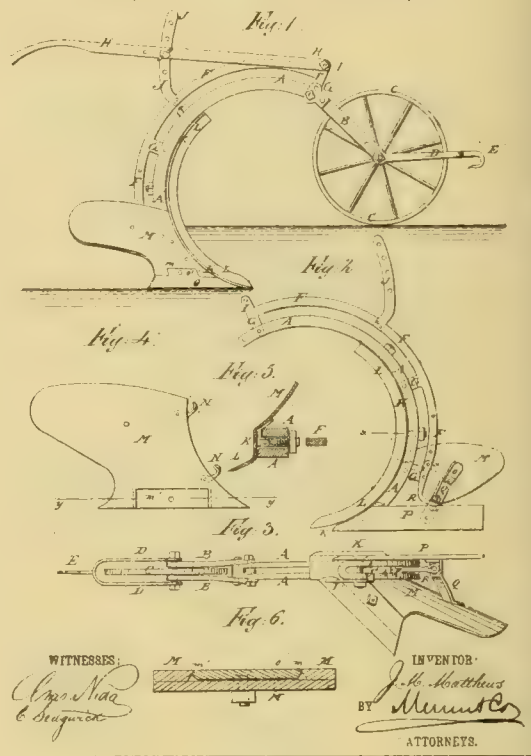
J. W. KLINELINE.
Plow.

No. 215,634. Patented May 20, 1879.



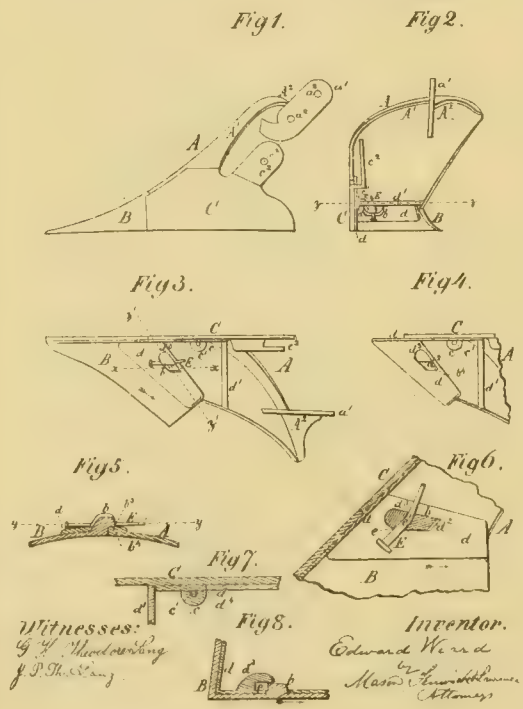
J. M. MATTHEWS.
Plow.

No. 216,050. Patented June 3, 1879.



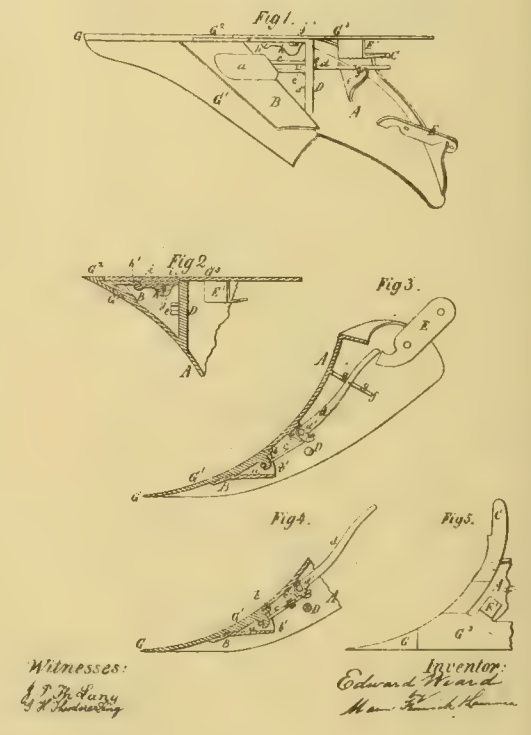
E. WIARD.
Plow.

No. 216,772. Patented June 24, 1879.



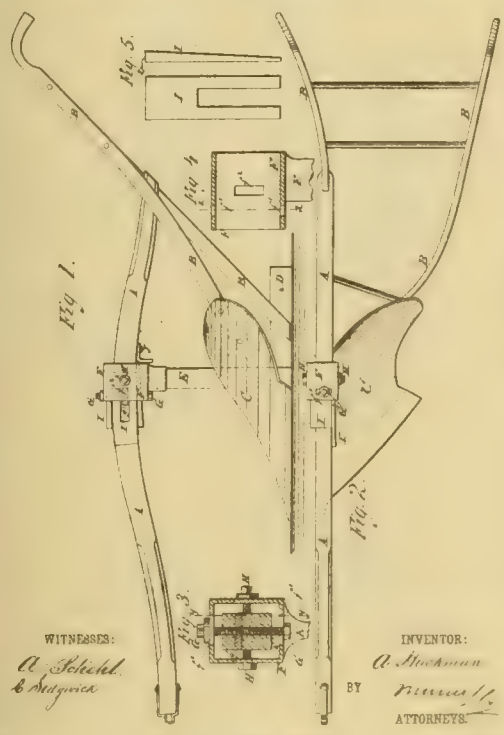
E. WIARD.
Plow.

No. 216,773. Patented June 24, 1879.



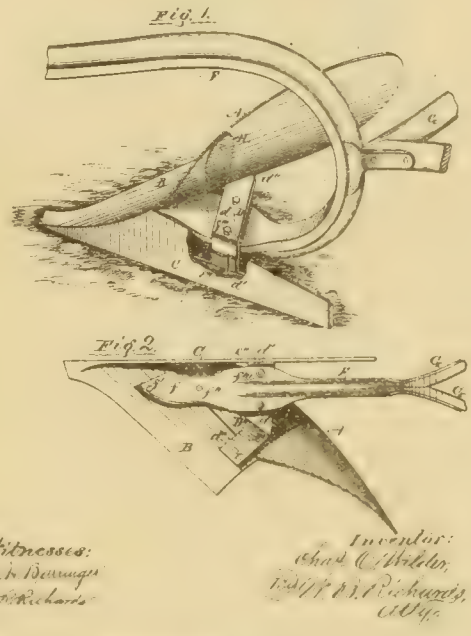
A. HACKMAN.
Plow.

No. 217,368. Patented July 8, 1879.



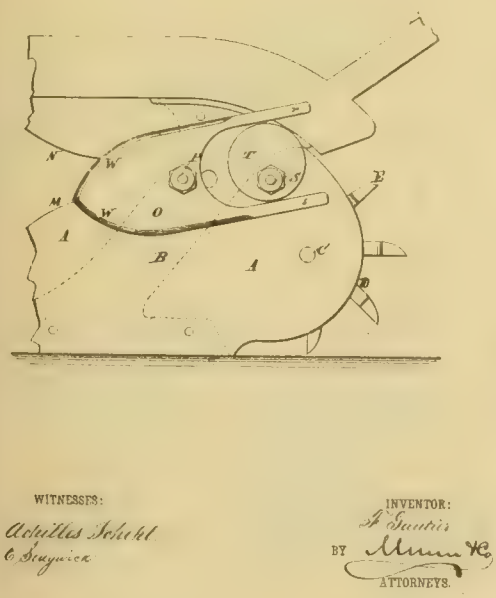
C. O. WILDER.
Plow.

No. 217,759. Patented July 22, 1879.



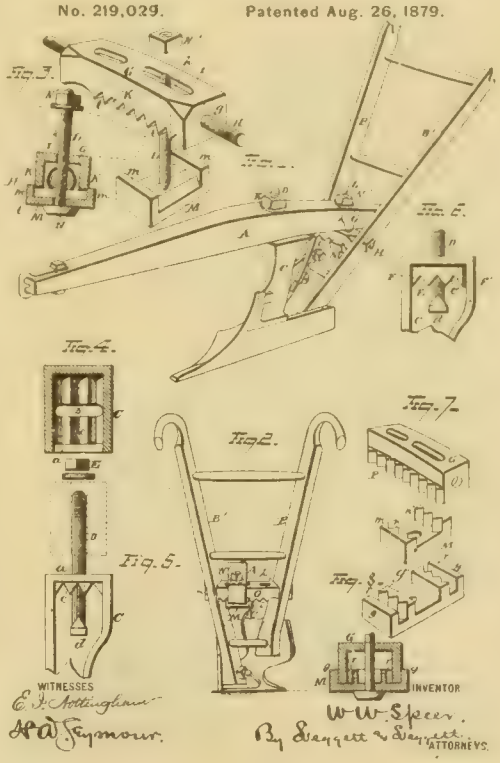
F. GAUTIER.
Plow.

No. 218,253. Patented Aug. 5, 1879.



W. W. SPEER.
Plow.

No. 219,029. Patented Aug. 26, 1879.



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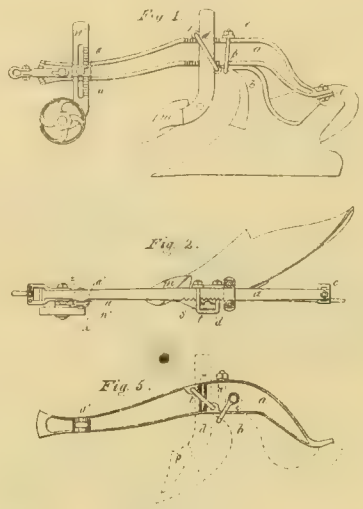
H. WIARD & W. R. BULLOCK.
Plow.

No. 219,191. Patented Sept. 2, 1879.



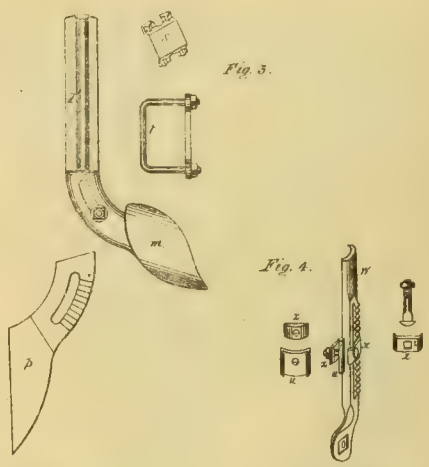
Witnesses:
Alex. Scott
Ric J. Baker

Inventor:
H. Wiard
W. R. Bullock
by J. J. Greenough Atty

2 Sheets—Sheet 2

H. WIARD & W. R. BULLOCK.
Plow.

No. 219,191. Patented Sept. 2, 1879.

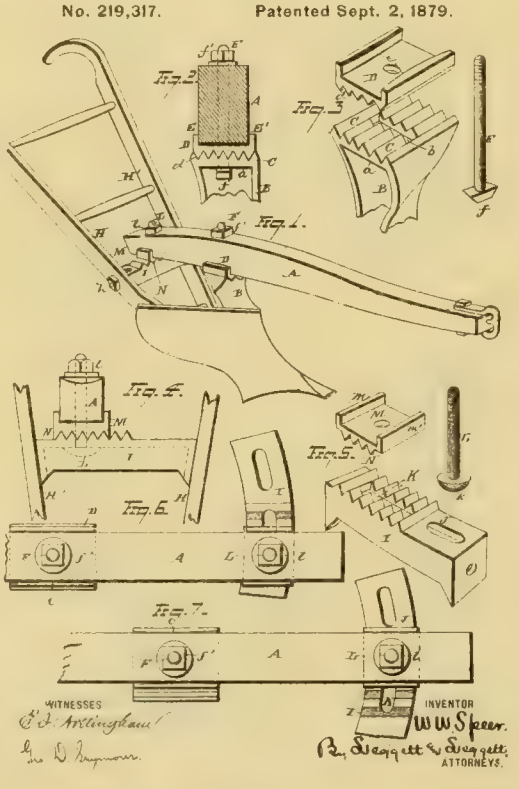


Witnesses:
Alex. Scott
Ric J. Baker

Inventor:
H. Wiard
W. R. Bullock
by J. J. Greenough Atty

W. W. SPEER.
Plow.

No. 219,317. Patented Sept. 2, 1879.

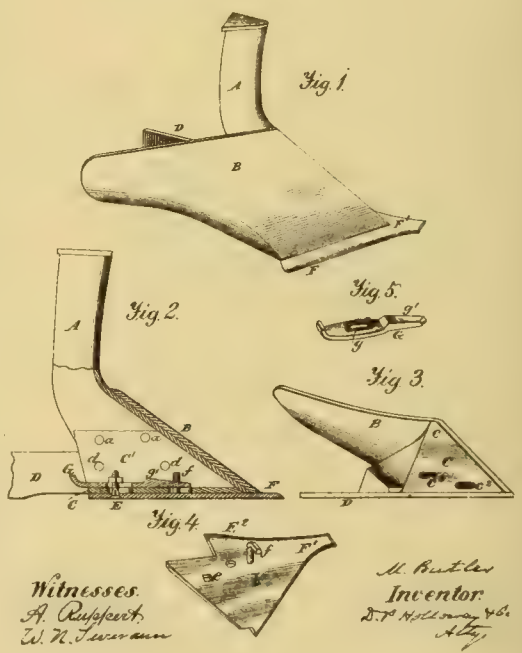


WITNESSES
E. S. Arlingham
Geo. D. Rupprecht

INVENTOR
W. W. Speer.
R. Sheppard & Sheppard,
ATTORNEYS.

M. BUTLER.
Plow.

No. 219,687. Patented Sept. 16, 1879.

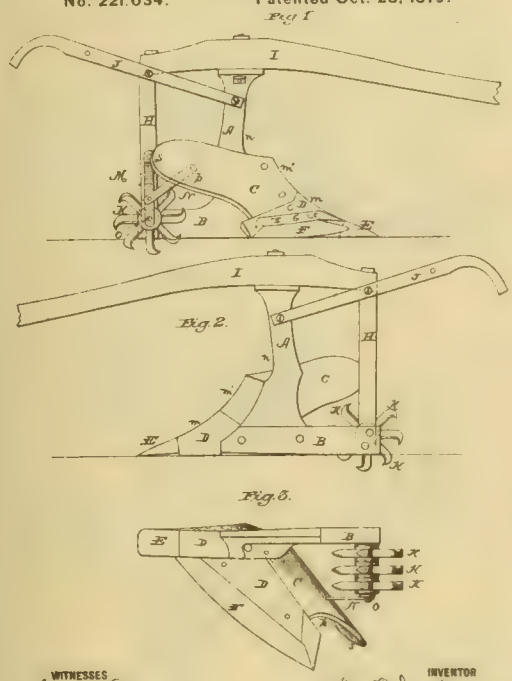


Witnesses.
A. Ruppert.
W. N. Swanson

M. Butler
Inventor.
D. P. Holloway & Co.
Atty.

2 Sheets—Sheet 1

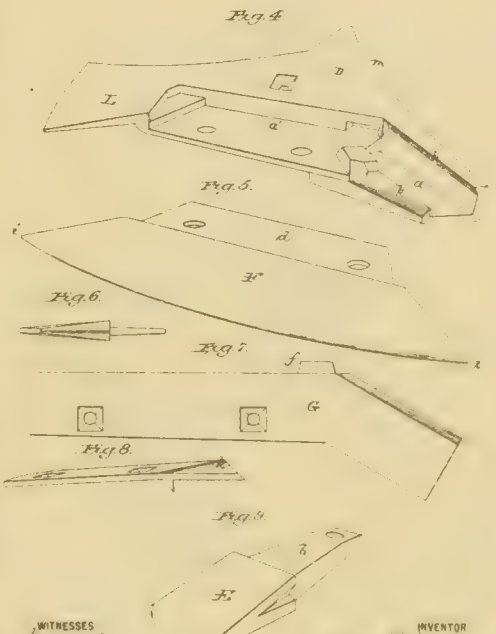
J. B. CRENSHAW.
Plow.
No. 221.034. Patented Oct. 28, 1879.



WITNESSES
INVENTOR
ATTORNEYS

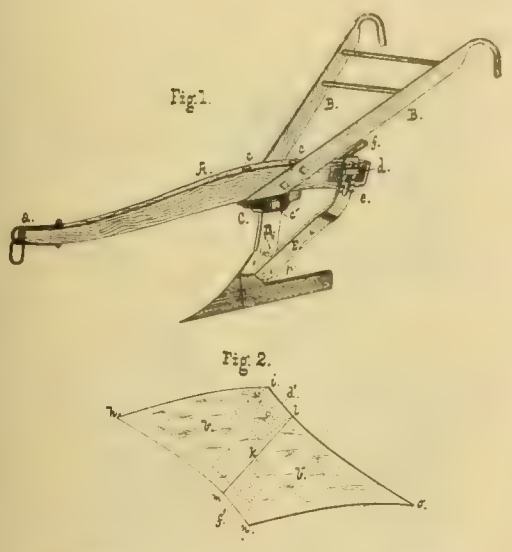
2 Sheets—Sheet 2

J. B. CRENSHAW.
Plow.
No. 221.034. Patented Oct. 28, 1879.



WITNESSES
INVENTOR
ATTORNEYS

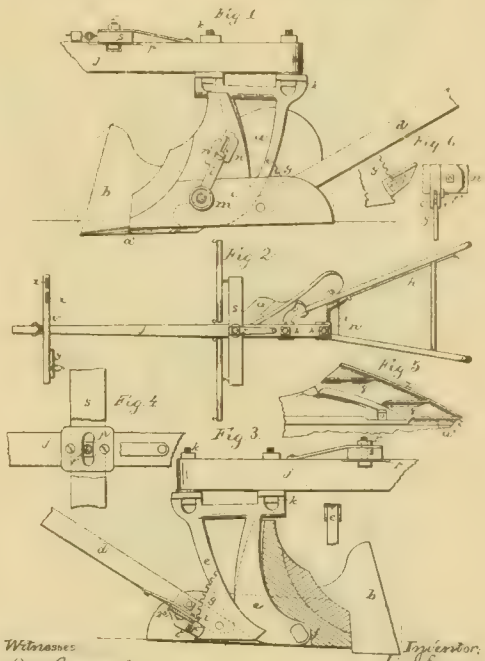
L. E. WOODWARD.
Plow.
No. 221,136. Patented Oct. 28, 1879.



Witnesses,
W. A. Butain
Dr. L. N. Burdley.

Inventor
L. E. Woodward
by
R. D. Williams
Attorney.

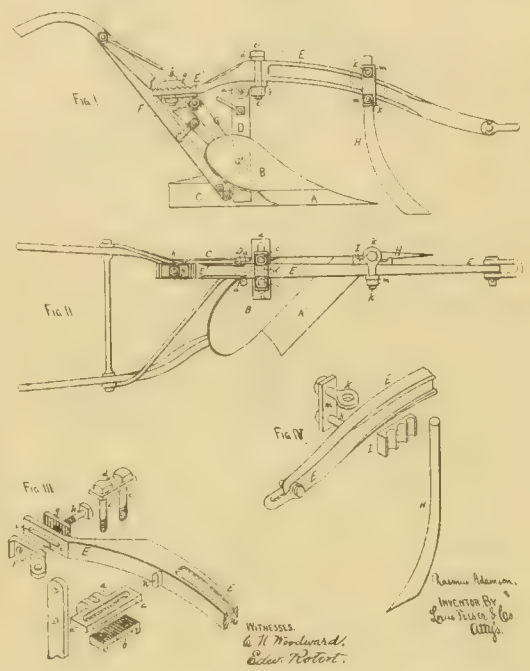
J. I. EAVENSON.
Plow.
No. 221.798. Patented Nov. 18, 1879.



Witnesses
Inventor:
Jas. I. Eavenson
per
F. A. Ehlmann
Atty.

R. ADAMSON.
Plow.

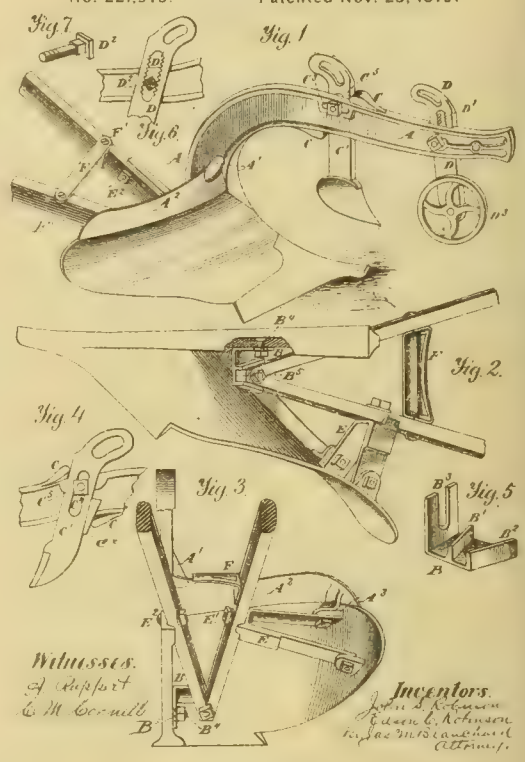
No. 221,901. Patented Nov. 25, 1879.



2 Sheets—Sheet 1

J. S. & E. C. ROBINSON.
Plow.

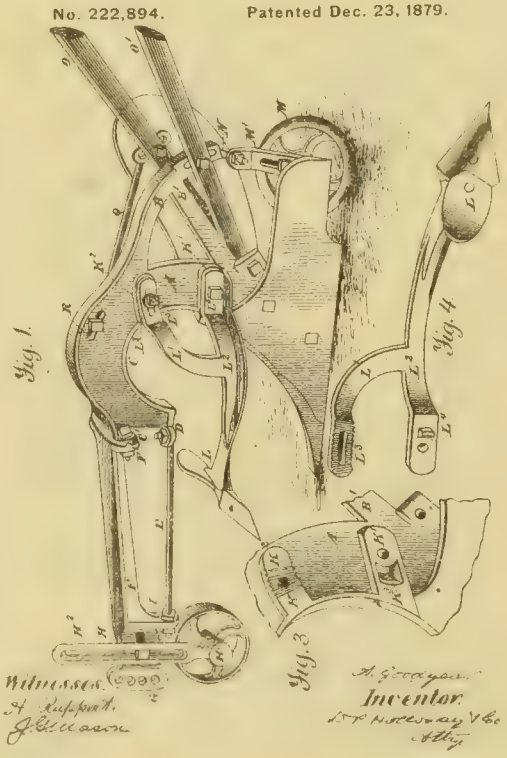
No. 221,975. Patented Nov. 25, 1879.



2 Sheets—Sheet 2.

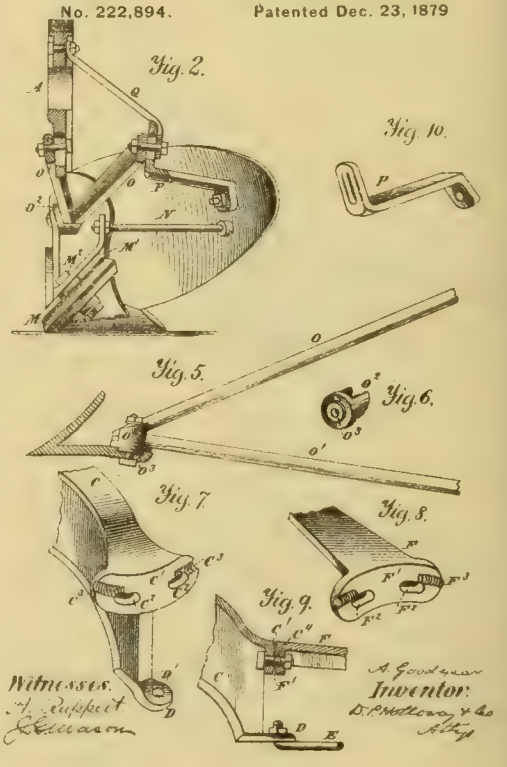
A. GOODYEAR.
Plow.

No. 222,894. Patented Dec. 23, 1879.



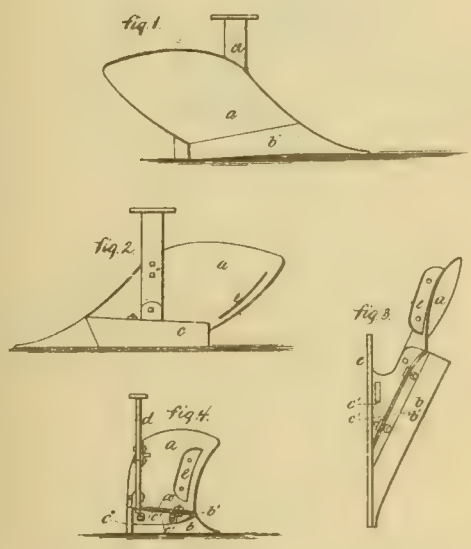
A. GOODYEAR.
Plow.

No. 222,894. Patented Dec. 23, 1879



L. CHAPMAN.
Plow.

No. 222,984. Patented Dec. 30, 1879.

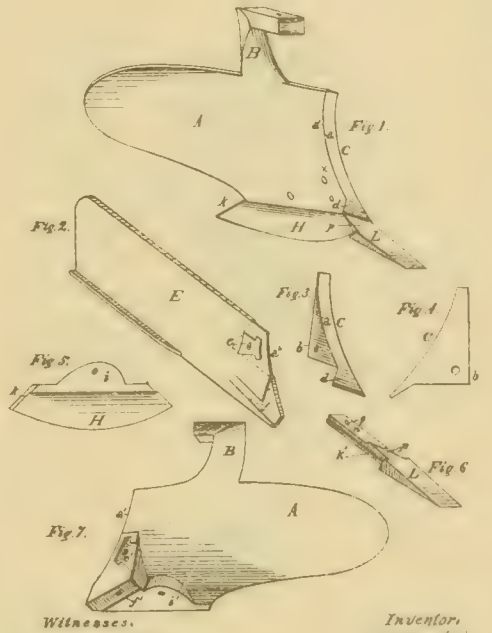


Witnesses:
R. F. Gaylord
M. F. Dooley

Inventor:
L. Chapman
By W. E. Simonds
Atty

P. KESSLER.
Plow.

No. 223,361. Patented Jan. 6, 1880.

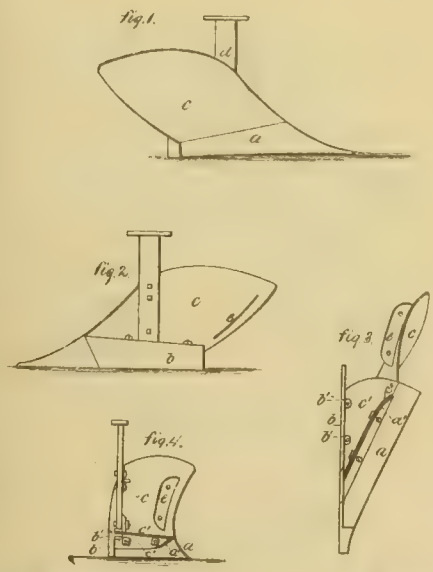


Witnesses.
Geo. H. Boyden
A. C. Ender

Inventor,
Peter Kessler
By his Atty
Chas. B. Mann

L. CHAPMAN.
Plow.

No. 223,579 Patented Jan. 13, 1880.

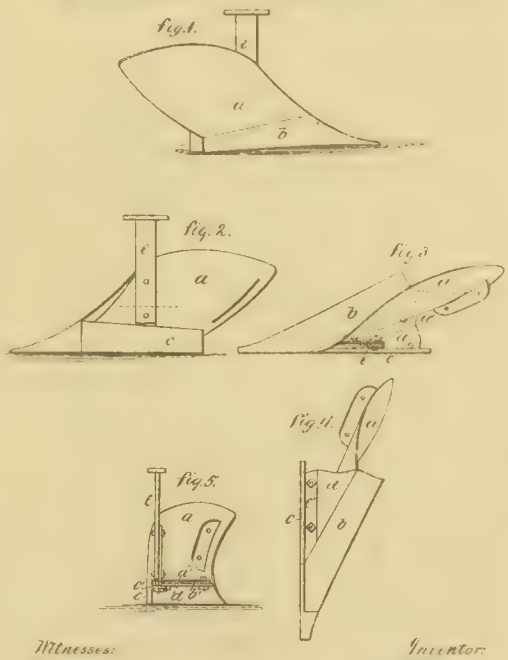


Witnesses:
R. F. Gaylord
M. F. Dooley

Inventor:
L. Chapman
By W. E. Simonds
Atty

L. CHAPMAN.
Plow.

No. 223,580. Patented Jan. 13, 1880.

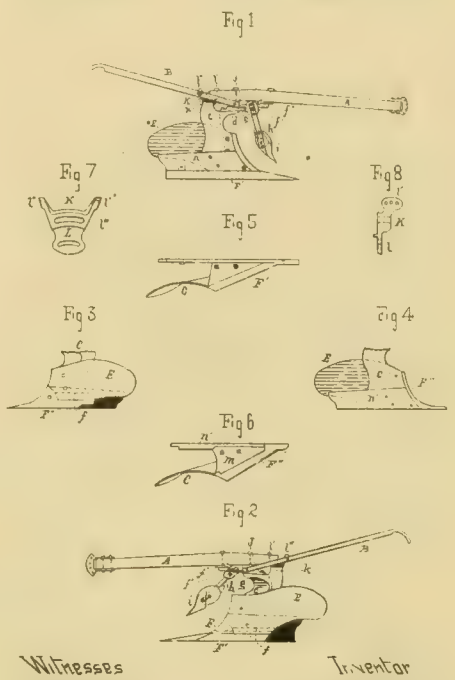


Witnesses:
R. F. Gaylord
M. F. Dooley

Inventor:
L. Chapman
By W. E. Simonds
Atty

2 Sheets—Sheet 1.

A. G. CHRISTMAN.
Plow.
No. 223,666 Patented Jan. 20, 1880.

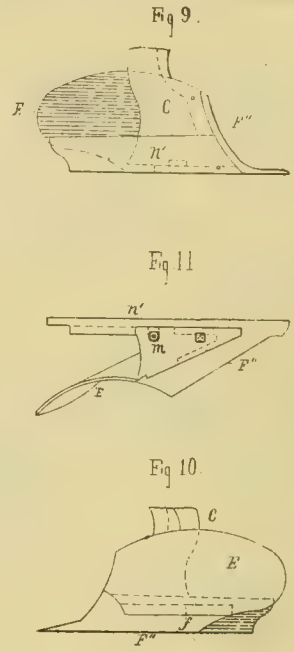


Witnesses
Frank P Kinsey
Frank Hartman

Inventor
Augustus G Christman
Per Thomas P Kinsey
Atty

2 Sheets—Sheet 2

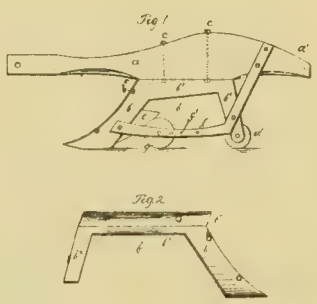
A. G CHRISTMAN.
Plow.
No. 223,666. Patented Jan. 20, 1880.



Witnesses
Frank P Kinsey
Frank Hartman

Inventor
Augustus G Christman
Per Thomas P Kinsey
Atty

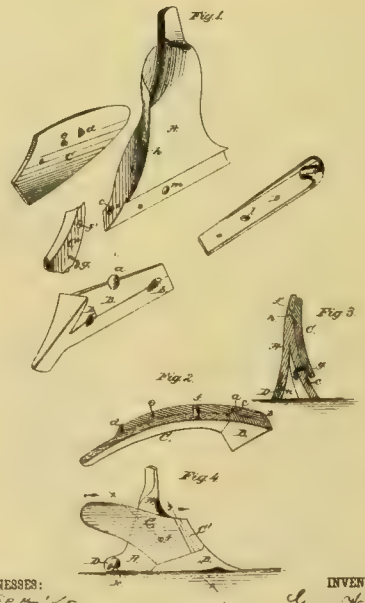
J. B. BRUCE.
Plow.
No. 223,987. Patented Feb. 3, 1880.



Witnesses
S. M. Gordon
R. B. Burpee

Inventor
John B. Bruce
By R. S. & A. F. Lacey
Attorneys

G. WATT.
Plow.
No. 224,750. Patented Feb. 17, 1880.

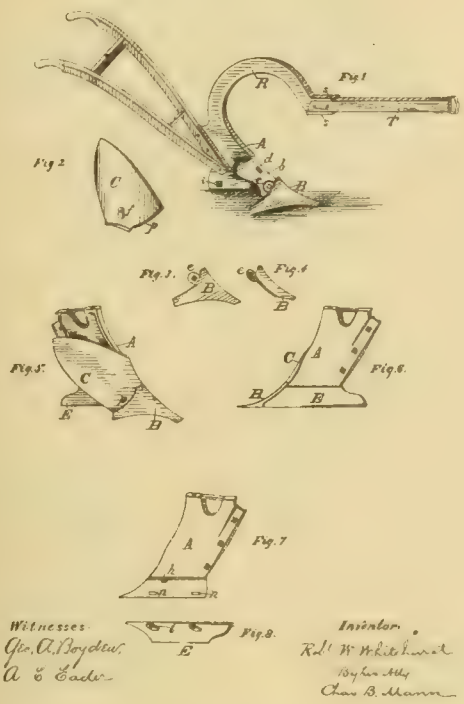


WITNESSES:
John J. C. Meister
Amos W. Hart

INVENTOR:
George Watt
BY Wm. H. C.
ATTORNEYS

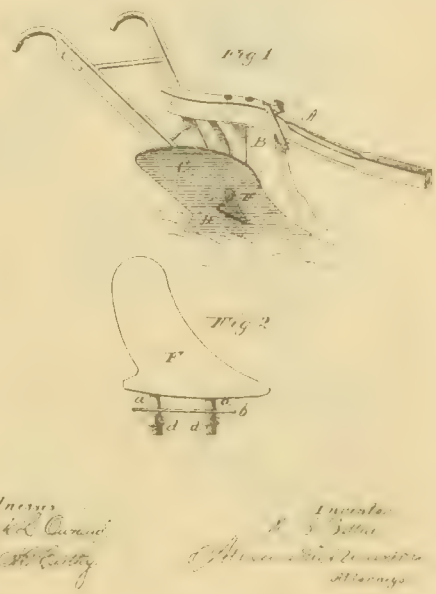
R. W. WHITEHURST.
Plow.

No. 224,753 Patented Feb. 17, 1880.



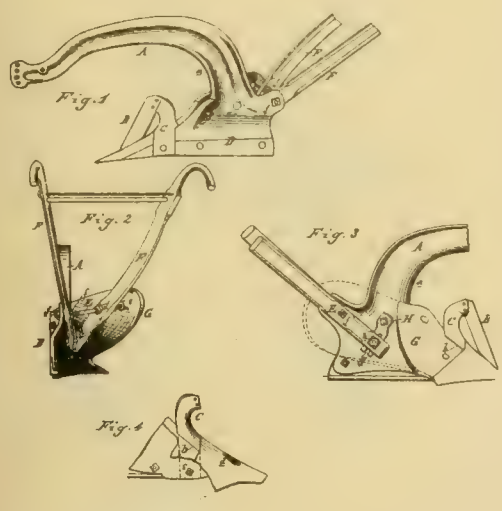
M. S. BETTICE.
Sod-Cutter.

No. 225,324. Patented Mar. 9. 1880.



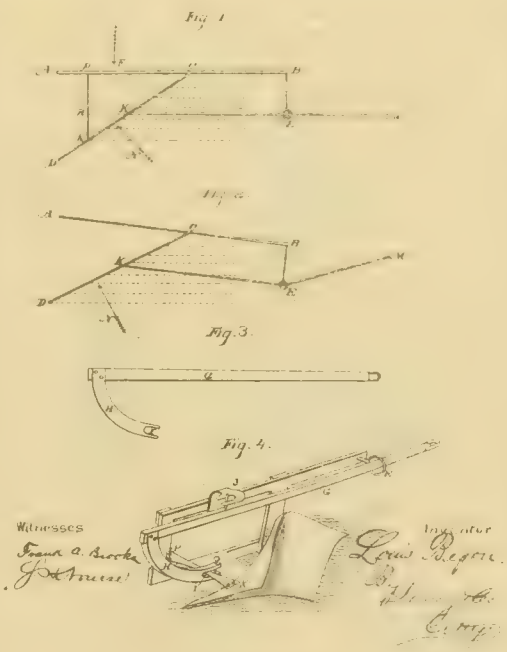
A. L. CHUBB.
Plow.

No. 225,341. Patented Mar. 9, 1880.



L. BEGON.
Central Draft for Plows

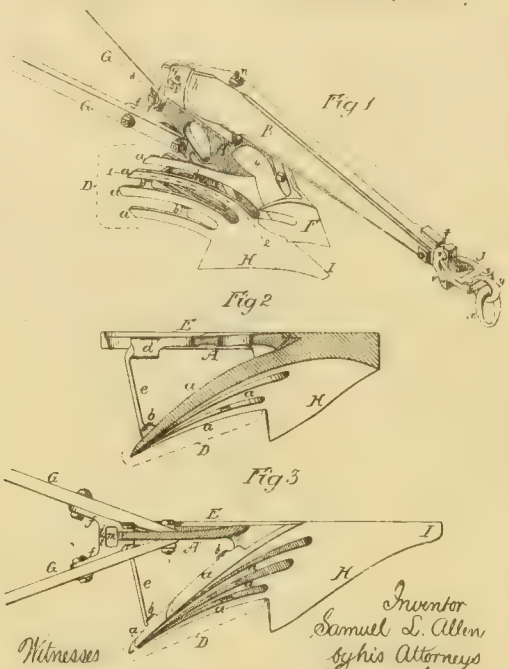
No. 227,406. Patented May 11, 1880.



2 Sheets—Sheet 1

S. L. ALLEN.
Plow.

No. 227,606. Patented May 18, 1880.



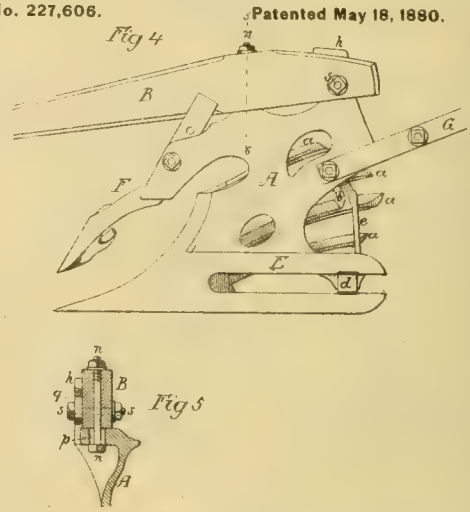
Witnesses
McDermer
Harry Smith

Inventor
Samuel L. Allen
by his Attorneys
Howson & Sons

2 Sheets—Sheet 2

S. L. ALLEN.
Plow.

No. 227,606. Patented May 18, 1880.

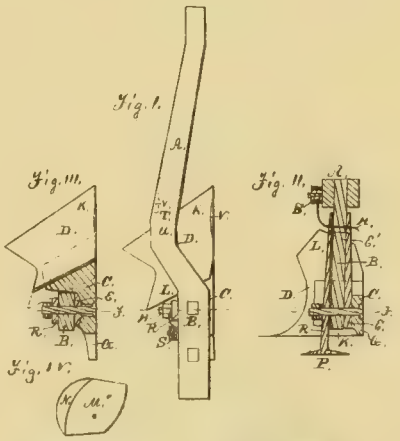


Witnesses
McDermer
Harry Smith

Inventor
Samuel L. Allen
by his Attorneys
Howson & Sons

J. W. DAVIS.
Cultivator.

No. 227,741. Patented May 18, 1880.



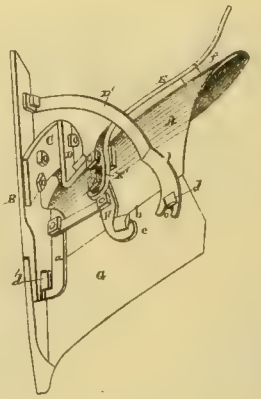
Witnesses:
A. H. Cook
J. Smith.

Inventor:
J. W. Davis,
By Samuel S. Mason
Attorney

(No Model.)

J. P. PATERY.
Plow-Share Fastener.

No. 227,991. Patented May 25, 1880.



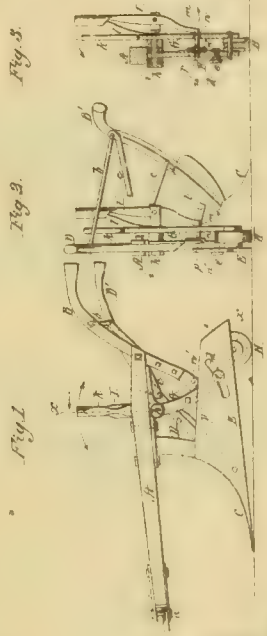
Witnesses
Frank A. Brooks
Geo. H. Strong

Inventor
Jacob P. Patery
By Dewey & Co.
Attys

(No Model.)

J. HAFNER.
Plow.

No. 228,813. Patented June 15, 1880.



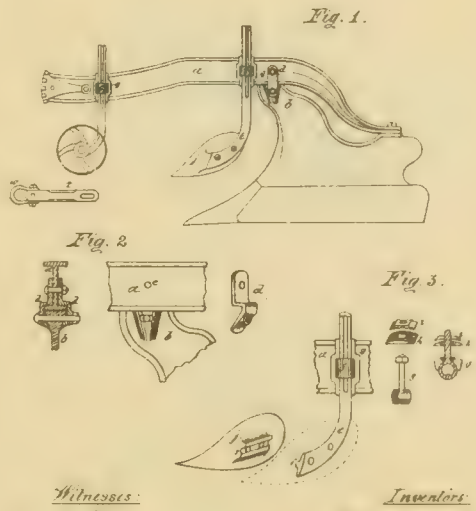
Attest:
F. H. Schott
H. M. Pope

Inventor:
Joseph Hafner,
per Norman W. Evans,
His Attorney.

(No Model.)

H. WIARD & W. R. BULLOCK.
Plow.

No. 229,217. Patented June 22, 1880.



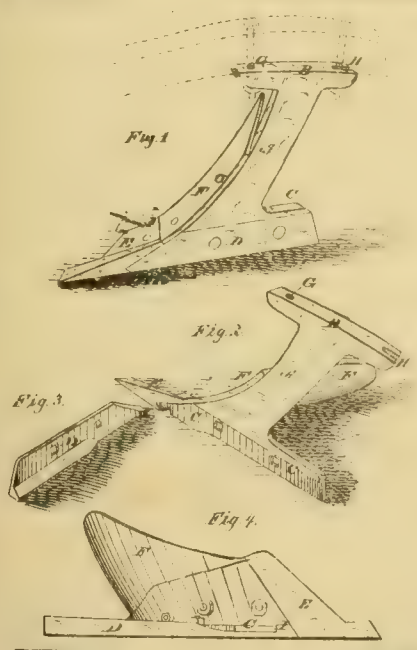
Witnesses:
Will. A. Davis
William A. Fox

Inventors:
Henry Wiard
per W. R. Bullock
by Dyrenforth
Atty.

(No Model.)

J. L. BRINLY.
Plow.

No. 229,367. Patented June 29, 1880.



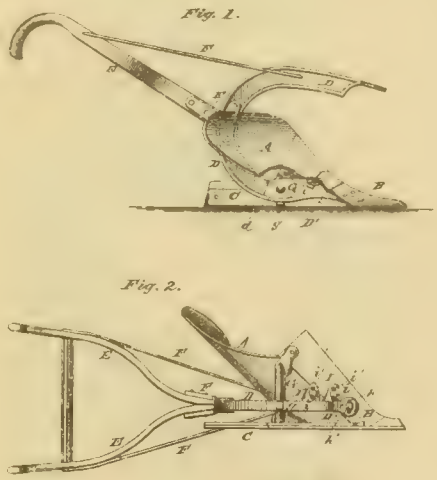
WITNESSES:
Fancy N. Miller
C. Sedgwick

INVENTOR:
J. L. Brinly
BY Munn & Co.
ATTORNEYS.

(No Model.)

J. I. CASE.
Plow.

No. 229,954. Patented July 13, 1880.

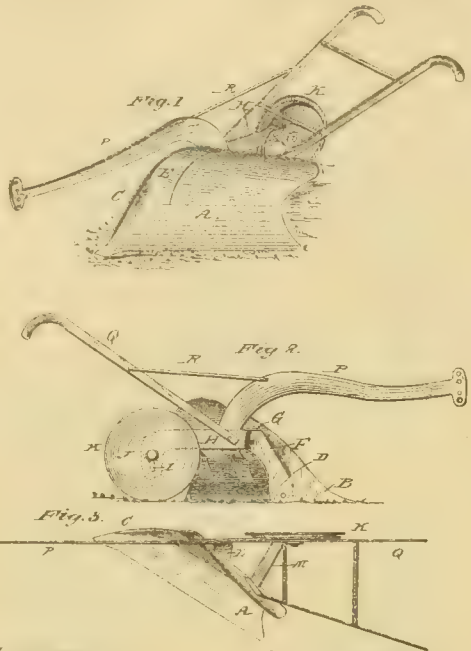


Witnesses:
D. C. Allen
P. L. Deterich

Inventor:
J. I. Case
By W. C. Richards
Attorney

J. S. GUM.
Plow.

No. 231,308. Patented Aug. 17, 1880.



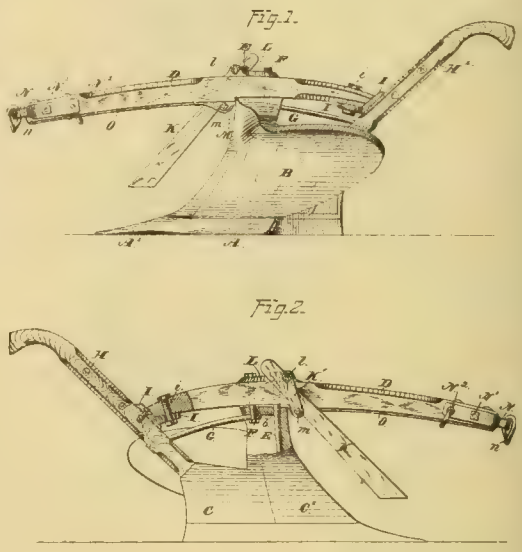
Witnesses:
Fred. G. Dieterich
W. Gum

Inventor,
Joseph S. Gum
by C. A. Snow & Co.
Attorneys

2 Sheets—Sheet 1

J. ELCOCK.
Plow.

No. 231,778. Patented Aug. 31, 1880.



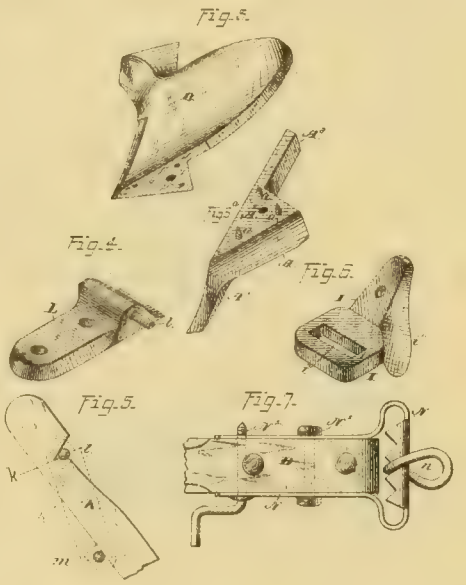
WITNESSES:
Jas. E. Hutchinson,
J. A. Rutherford

INVENTOR:
Jos. Elcock,
by James L. Norris.
Att'y

2 Sheets—Sheet 2.

J. ELCOCK.
Plow.

No. 231,778. Patented Aug. 31, 1880.



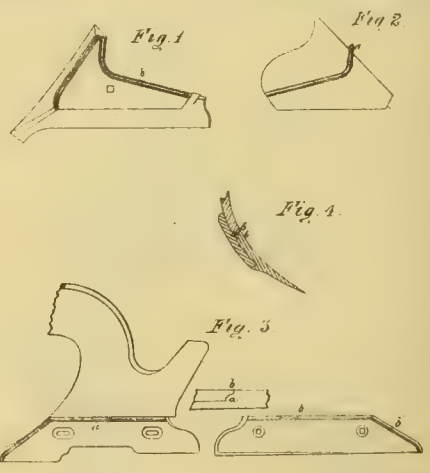
WITNESSES:
Jas. E. Hutchinson.
J. A. Rutherford

INVENTOR:
Jos. Elcock,
by James L. Norris.
Att'y

(No Model.)

J. L. JUDD.
Plow

No. 231,810. Patented Aug. 31, 1880.

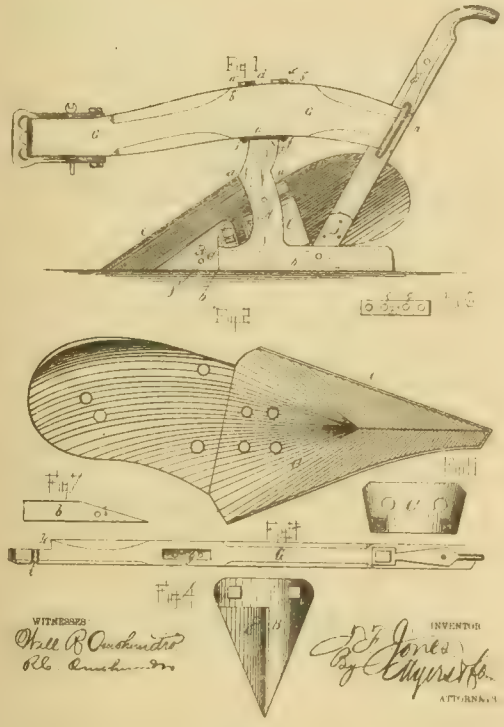


Witnesses:
A. Johnson
H. West

Inventor:
James L. Judd
by J. J. Greenough Att'y

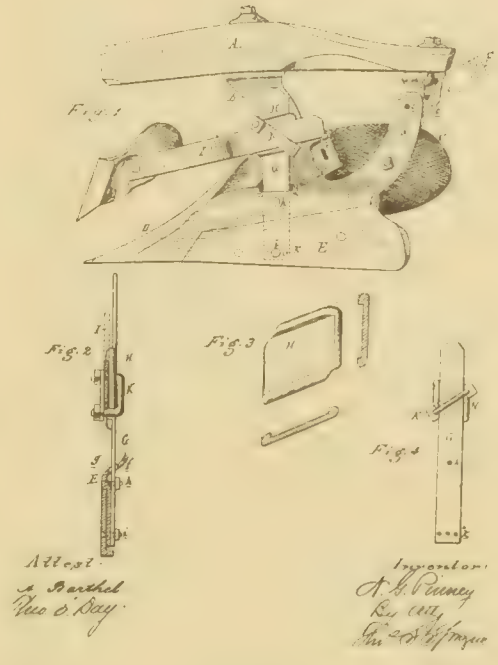
T. F. JONES.
Plow.

No. 231,913. Patented Sept. 7, 1880.



N. G. PINNEY.
Plow.

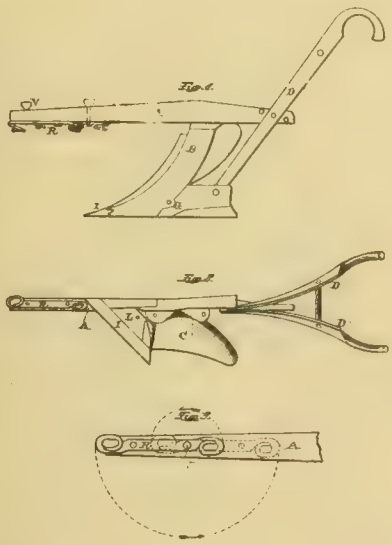
No. 231,930. Patented Sept. 7, 1880.



(No Model.)

E. MAY
Plow.

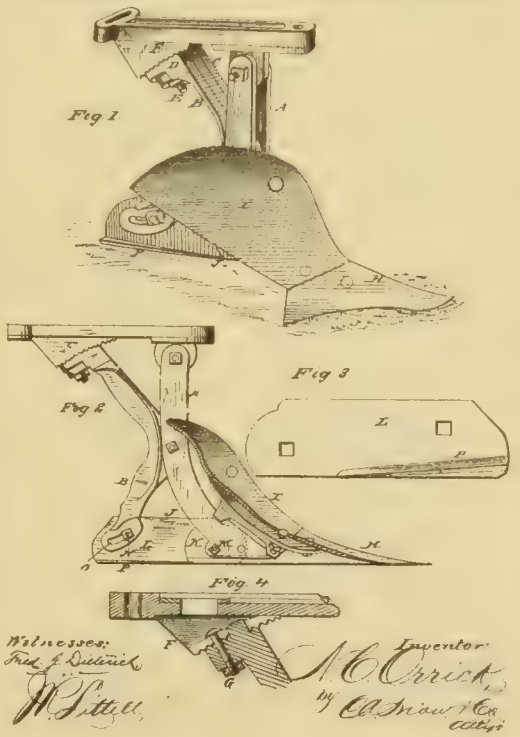
No. 232,530. Patented Sept. 21, 1880.



(No Model.)

N. C. ORRICK.
Plow.

No. 233,795. Patented Oct. 26, 1880.



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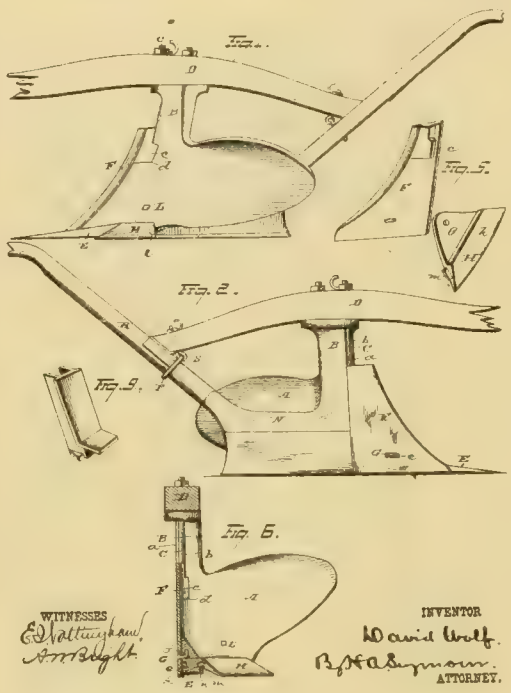
D. WOLF.
Plow.

No. 233,827. Patented Oct. 26, 1880.



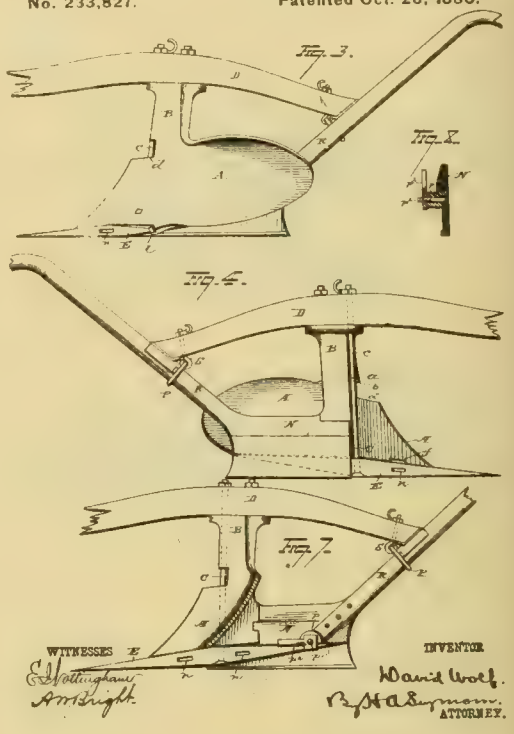
WITNESSES
E. Wallingham
A. M. Bright

INVENTOR
David Wolf.
B. F. & A. Lyman
ATTORNEY.

(No Model.) 2 Sheets—Sheet 2.

D. WOLF.
Plow.

No. 233,827. Patented Oct. 26, 1880.



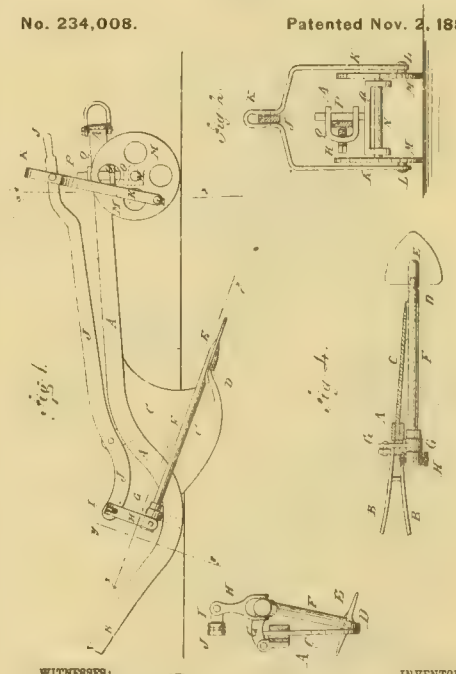
WITNESSES
E. Wallingham
A. M. Bright

INVENTOR
David Wolf.
B. F. & A. Lyman
ATTORNEY.

(No Model.)

H. F. EDEY.
Plow.

No. 234,008. Patented Nov. 2, 1880.

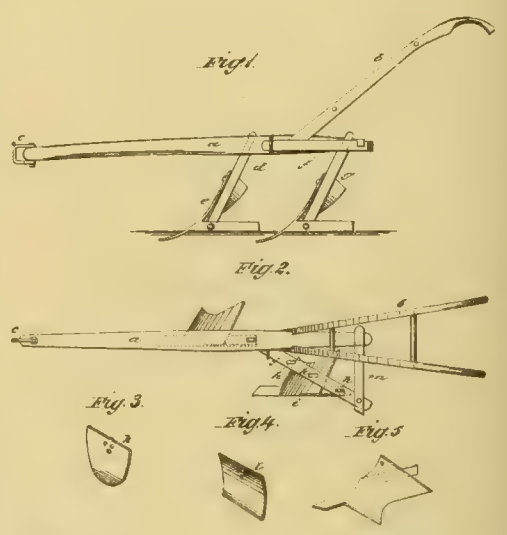


WITNESSES:
Geo. Nixa
C. Sedgwick

INVENTOR:
H. F. Edey
BY Munn & Co.
ATTORNEYS.

N. H. FOSTER.
Plow.

No. 234,017. Patented Nov. 2, 1880.



WITNESSES:
Francis McNeill
C. Sedgwick

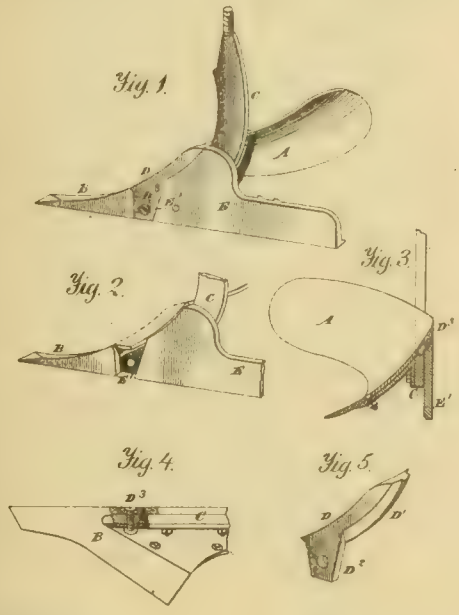
INVENTOR:
N. H. Foster
BY Munn & Co.
ATTORNEYS.

(No Model.)

T. MEIKLE.

Plow.

No. 234,920. Patented Nov. 30, 1880.



Witnesses.
A. Rupprt.
J. J. Mason

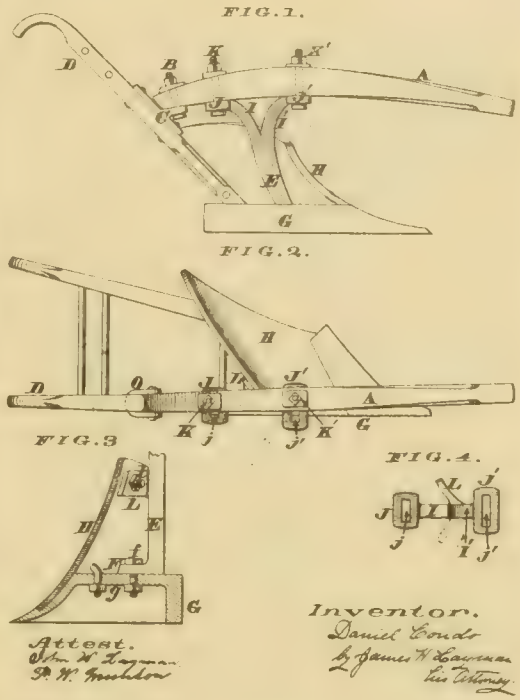
T. Meikle
Inventor.
by R. Mason
atty.

(No Model.)

D. CONDO.

Plow.

No. 235,341. Patented Dec. 14, 1880.



Attest.
John W. Layman
R. W. Goodson

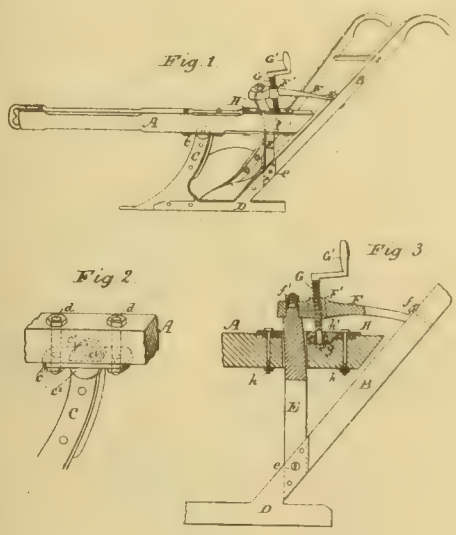
Inventor.
Daniel Condo
by James H. Layman
his Attorney

(No Model.)

J. MASSON.

Plow.

No. 235,369. Patented Dec. 14, 1880



Witnesses.
W. S. Masson
W. E. Bowen

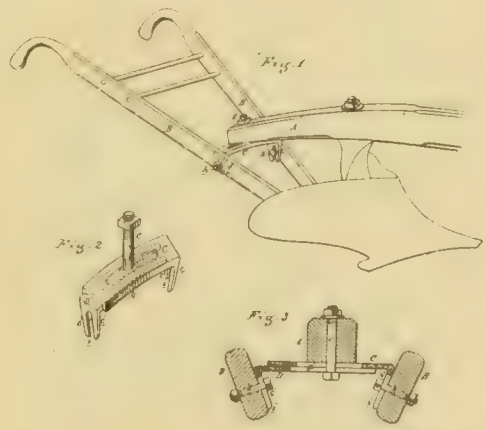
Inventor.
Joseph Masson
by E. E. Masson
atty.

(No Model.)

R. C. MERITT.

Plow.

No. 235,639. Patented Dec. 21, 1880.



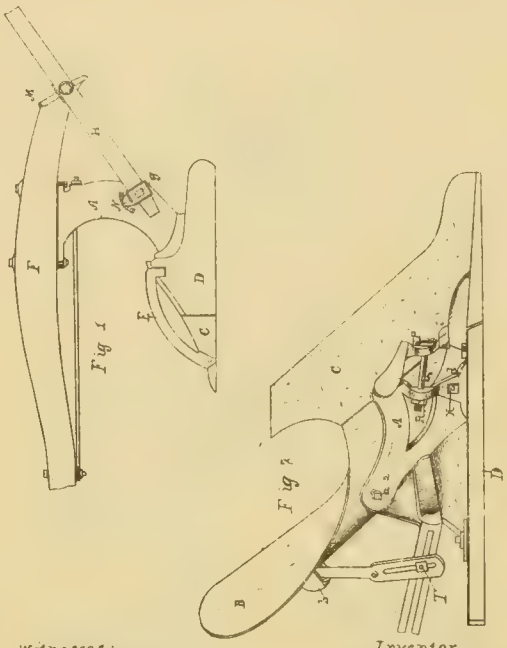
Attest.
W. Baldwin
Thos. S. Dyer

Inventor
R. C. Meritt
By Att.
Thos. S. Sprague

(Model.) 3 Sheets—Sheet 1

G. E. SMITH.
Plow.

No. 236,463. Patented Jan. 11, 1881.



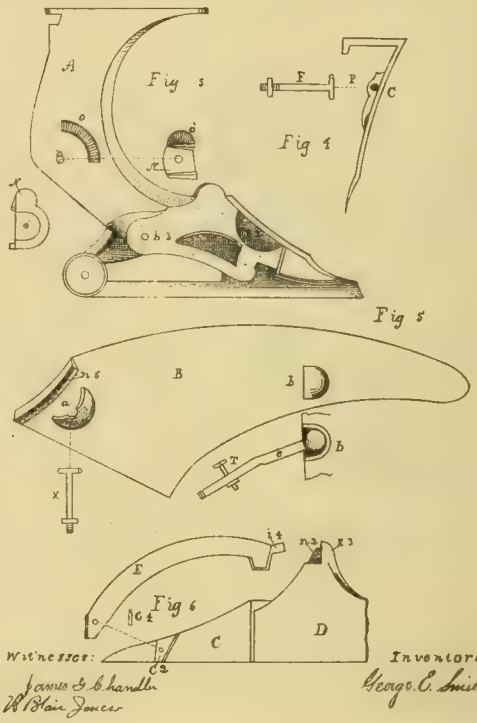
Witnesses:
James E. Handler
R. Blair Jones

Inventor
George E. Smith.

(Model.) 3 Sheets—Sheet 2.

G. E. SMITH.
Plow.

No. 236,463. Patented Jan. 11, 1881.



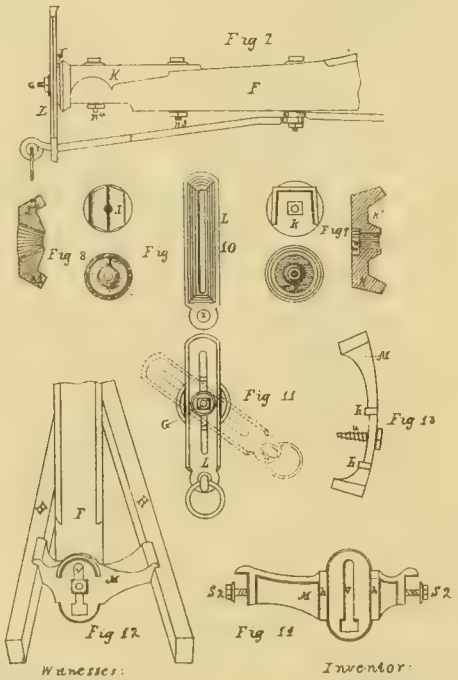
Witnesses:
James E. Handler
R. Blair Jones

Inventor:
George E. Smith

(Model.) 3 Sheets—Sheet 3.

G. E. SMITH.
Plow.

No. 236,463. Patented Jan. 11, 1881.



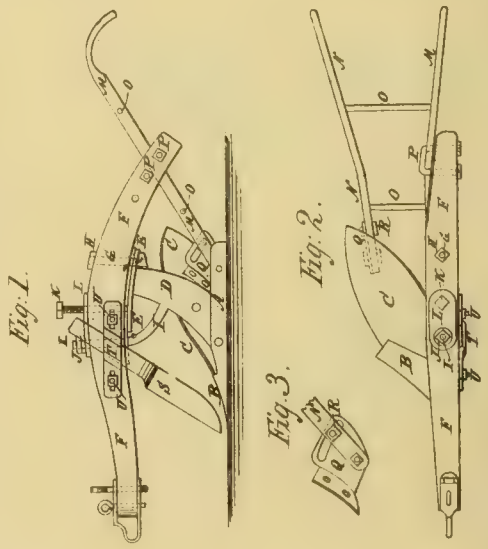
Witnesses:
James E. Handler
R. Blair Jones

Inventor:
Geo. E. Smith

(No Model.)

E. D. MELANÇON & J. H. AYRAND, Sr.
Plow.

No. 236,820. Patented Jan. 18, 1881.



WITNESSES:
A. Schehl.
C. Seitgerick

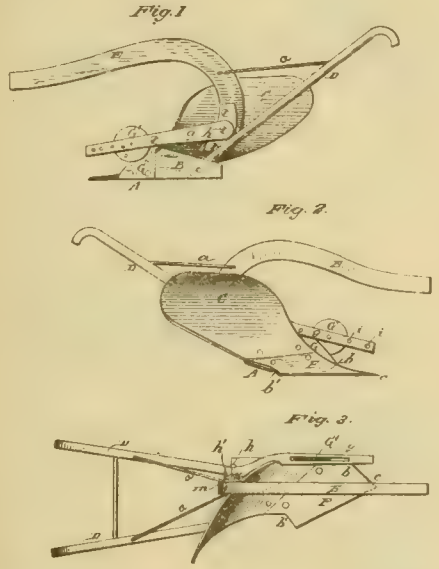
INVENTOR:
E. D. Melançon
J. H. Ayrand, Sr.
BY Munn & Co.
ATTORNEYS.

(No Model.)

N. SWENSON, J. S. LINDQUIST & C. HEDLUND.

Plow.

No. 237,631. Patented Feb 8, 1881.



Witnesses
Rud. J. Dittrich
Geo. A. Fraeus

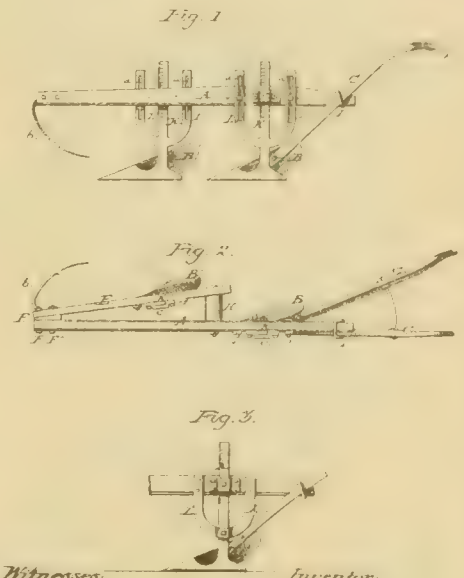
Inventors
Nicholas Swenson
John S. Lindquist
Christian Hedlund
by Louis Bagger & Co.

(No Model.)

C. BATES.

Plow.

No. 239,918. Patented April 12, 1881.



Witnesses:
William Simpson
J. McKaig

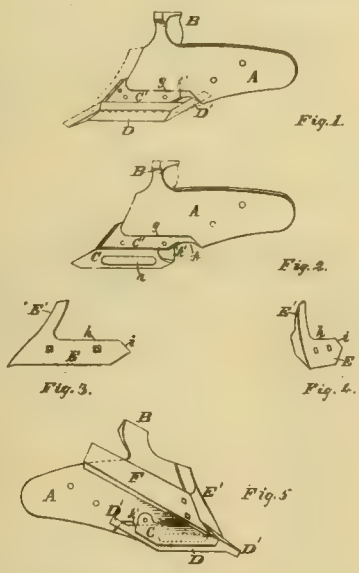
Inventor:
Charles Bates
by Edwd. H. Brown & Co.
Attys.

(No Model.)

P. KESSLER.

Plow.

No. 243,576. Patented June 28, 1881.



Witnesses:
Geo. A. Boyden
A. C. Eaden

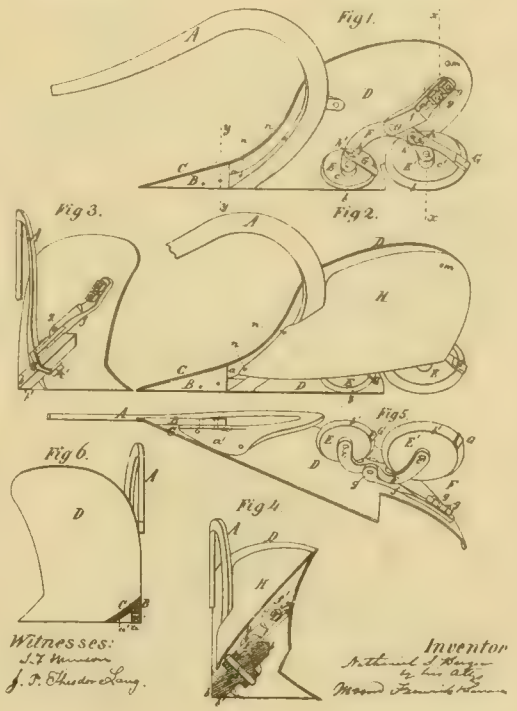
Inventor:
Peter Kessler
By his Atty
Chas. B. Mann.

(No Model.)

N. S. BARGER.

PLOW.

No. 244,787. Patented July 26, 1881.



Witnesses:
S. T. Hanson
J. P. Theodore Lang.

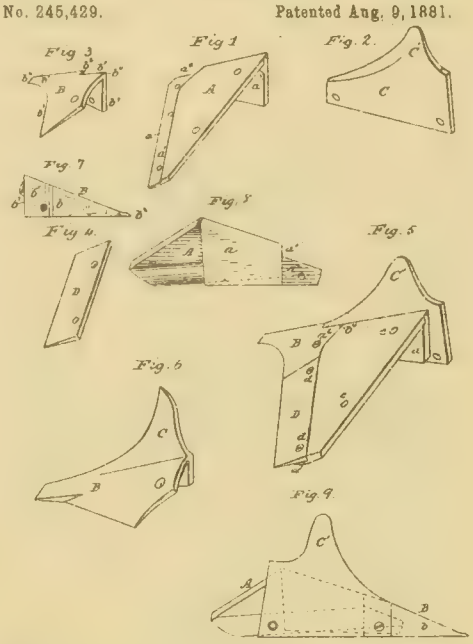
Inventor
Nathaniel S. Barger
by his atty
Mason Fenwick & Lawrence

(No Model.)

A. BALL.

PLOW.

No. 245,429. Patented Aug. 9, 1881.



Witnesses
W. B. Masson
J. S. Barker

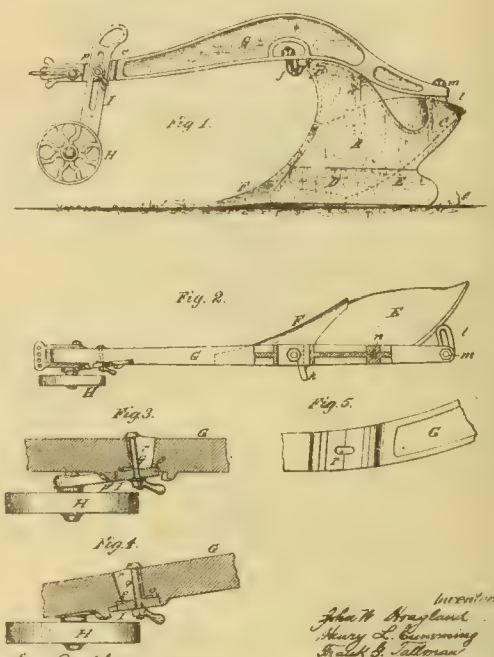
Inventor:
Albert Ball
by Doubleday & Bliss
attys

(No Model.)

J. N. HOAGLAND, H. L. CUMMING & F. G. TALLMAN.

PLOW.

No. 246,824. Patented Aug. 16, 1881.



Chas. J. Buckbee
Edw. J. Brady } Witnesses

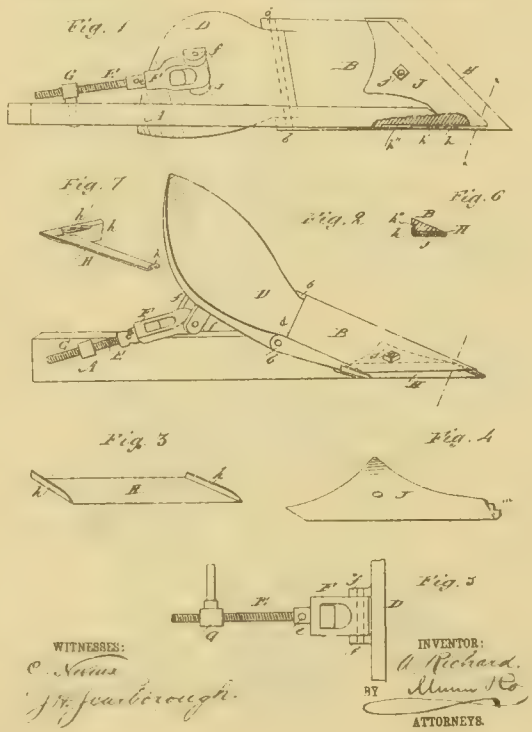
Inventors:
John N. Hoagland
Henry L. Cumming
Frank G. Tallman
By Wilkins & Bonner
Attorneys

(no Mode)

A. RICHARD.

PLOW.

No. 247,110. Patented Sept. 13, 1881.



WITNESSES:
C. Neius
J. W. Fearbrough

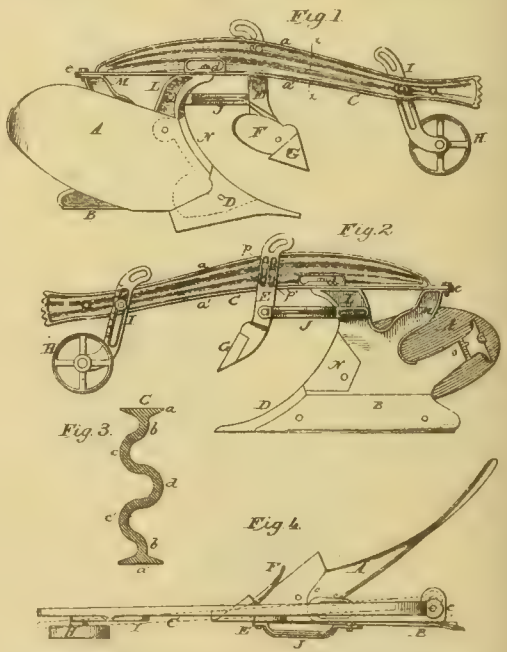
INVENTOR:
A. Richard.
BY Munn & Co
ATTORNEYS.

(No Model.) 2 Sheets—Sheet 1

J. S. & E. C. ROBINSON.

PLOW.

No. 252,139. Patented Jan. 10, 1882.



WITNESSES
Henry P. Wollensworth
W. E. Shaffer

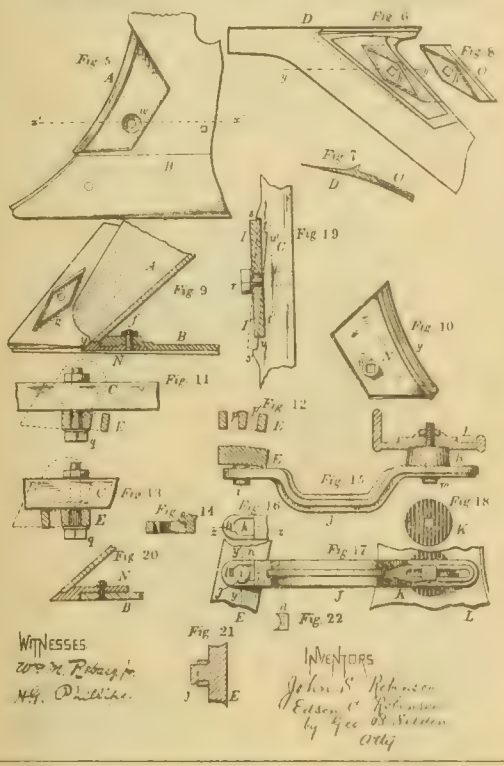
J. S. and E. C. Robinson, INVENTORS
By their Attorney
Philip T. Dodge

(No Model.) 2 Sheets—Sheet 2

J. S. & E. C. ROBINSON.

PLOW.

No. 252,139 Patented Jan. 10, 1882.

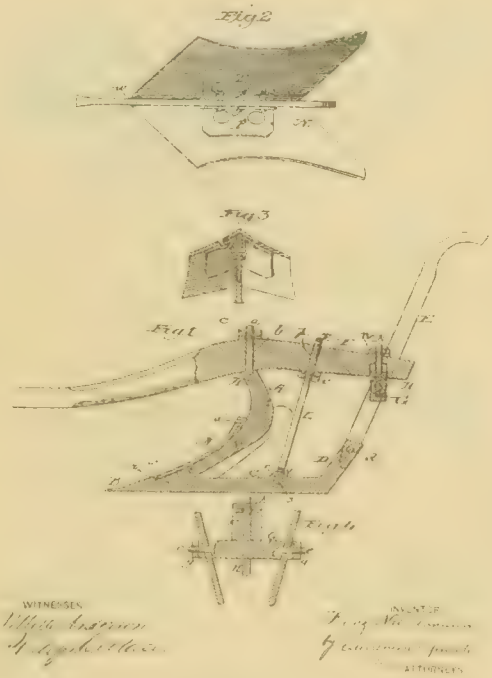


(No Model.)

F. NITSCHMANN

PLOW.

No. 252,585. Patented Jan. 17, 1882.

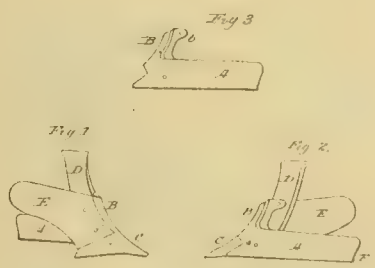


(Model.)

N. SANDERS.

PLOW.

No. 252,972. Patented Jan. 31, 1882.



Witnesses
George E. Downing
Judson Buchanan

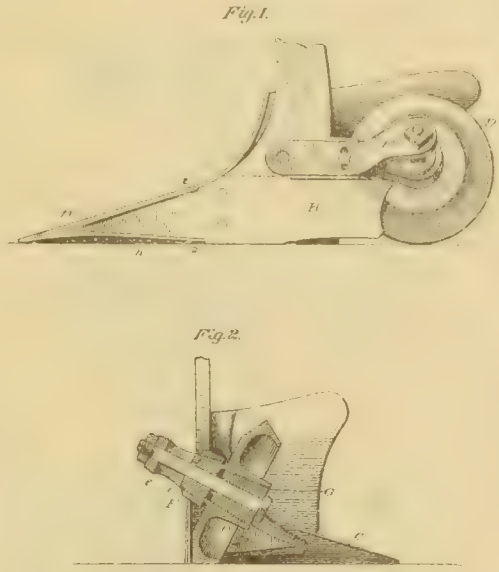
Inventor
Newell Sanders.

(Model.) 2 Sheets—Sheet 1

E. D. MEAGHER.

PLOW.

No. 253,408. Patented Feb. 7, 1882.



Attest:
R. F. Barnes
L. N. Seely

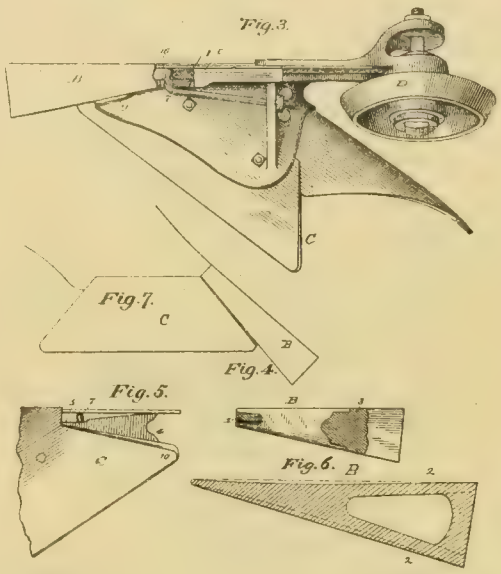
Inventor
Edmund D. Meagher
by Ellis Spear
Attorney

(Model.) 2 Sheets—Sheet 2.

E. D. MEAGHER.

PLOW.

No. 253,408. Patented Feb. 7, 1882.



Attest:
R. F. Barnes.
L. W. Seely

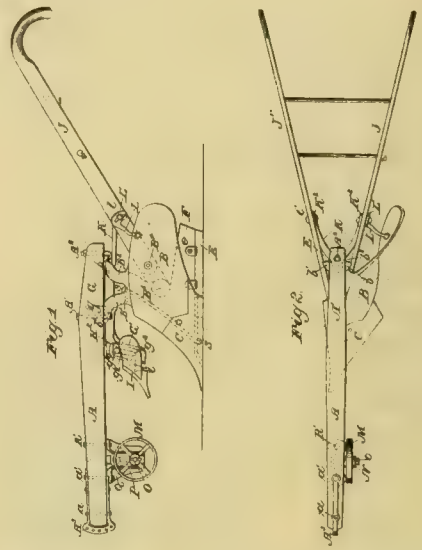
Inventor:
Edmund D. Meagher
by Elis Spear
Attorney

(Model.) 2 Sheets—Sheet 1

A. G. CHRISTMAN.

PLOW.

No. 254,533. Patented Mar. 7, 1882.



Witnesses.
Frank P. Kinney
Daniel C. Heller

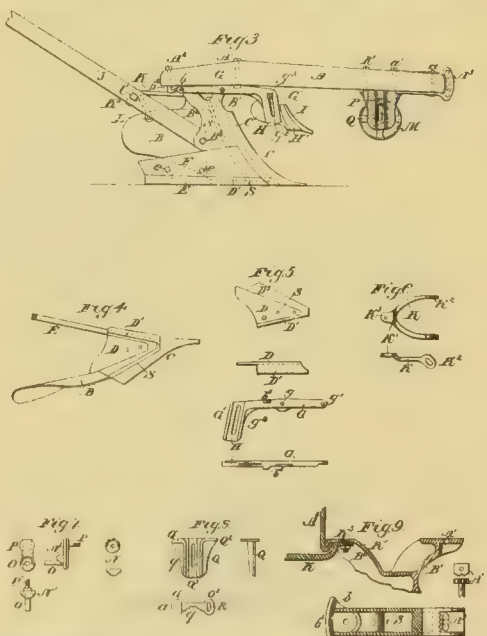
Inventor:
Augustus G. Christman
per Thomas P. Kinney
Atty

(Model.) 2 Sheets—Sheet 2

A. G. CHRISTMAN.

PLOW.

No. 254,533. Patented Mar. 7, 1882.



Witnesses.
Frank P. Kinney
Daniel C. Heller

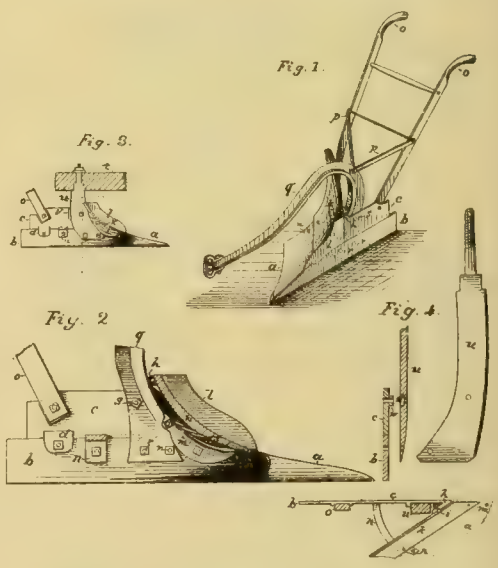
Inventor
Augustus G. Christman
per Thomas P. Kinney
Atty

(Model.)

J. GEORGE.

PLOW.

No. 254,634. Patented Mar. 7, 1882.



WITNESSES:
Thos. Houghton.
W. Read

INVENTOR:
Joseph George
BY
Munn & Co.
ATTORNEYS.

(No Model.)

J. VANDEGRIFT.

PLOW.

No. 254,734 Patented Mar 7, 1882.

Fig 1

Fig 2

Attorneys
O. H. Howard
John C. Schroeder

Inventor
James Vandegrift
by Dyer, Miller & Co.
Attys.

(No Model.) 2 Sheets—Sheet 1

G. WIARD.

PLOW.

No. 255,370. Patented Mar. 21, 1882.

Fig 1

Fig 2 Fig 3 Fig 4 Fig 5

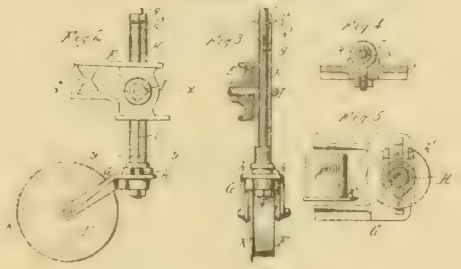


Fig 6

Chas. G. Buchholz
Eug. J. Brady
Witnesses

George Wiard Inventor
By Wilhelm & Bonner
Attorneys

(No Model.) 2 Sheets—Sheet 2

G. WIARD.

PLOW.

No. 255,370. Patented Mar. 21, 1882.

Fig 7

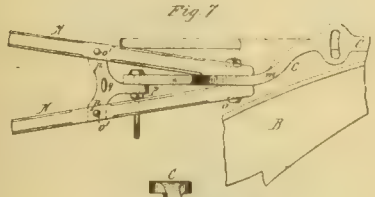
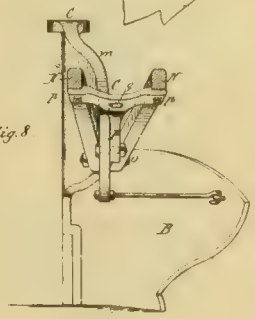


Fig 8



Chas. G. Buchholz
Eug. J. Brady
Witnesses

George Wiard Inventor
By Wilhelm & Bonner
Attorneys

(No Model.)

A. C. TAYLOR.

VINEYARD PLOW.

No. 255,898 Patented Apr. 4, 1882.

Fig. 1

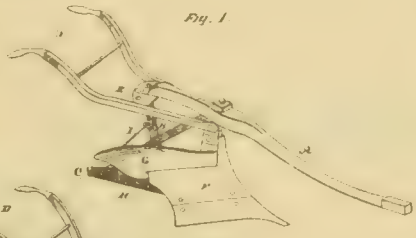


Fig. 2.

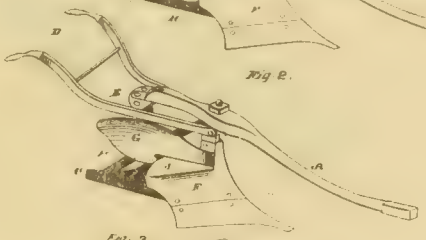
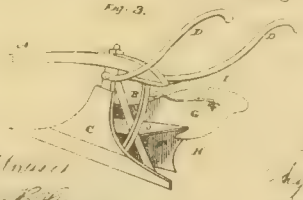


Fig. 3.



Witnesses
Geo. R. Strong
Frank A. Burch

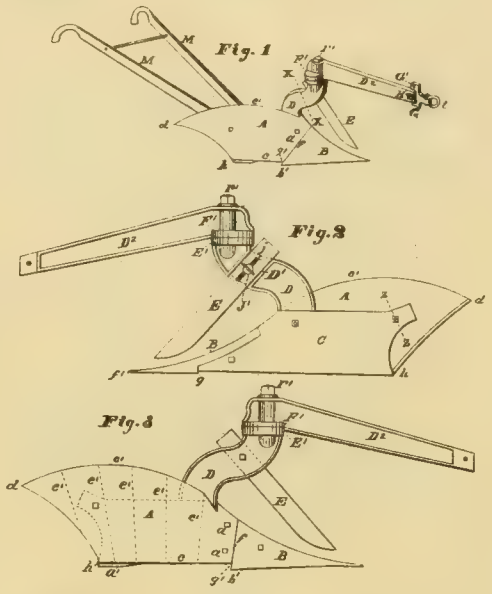
Inventor
Aquila C. Taylor
by Dewey & Co. Attys

(Model.) 2 Sheets—Sheet 1.

F. SIMONDS.

PLOW.

No. 256,750. Patented Apr. 18, 1882.



Witnesses.

F. H. Braun

C. A. Schaff

Inventor.

Fremont Simonds

By James Sangster

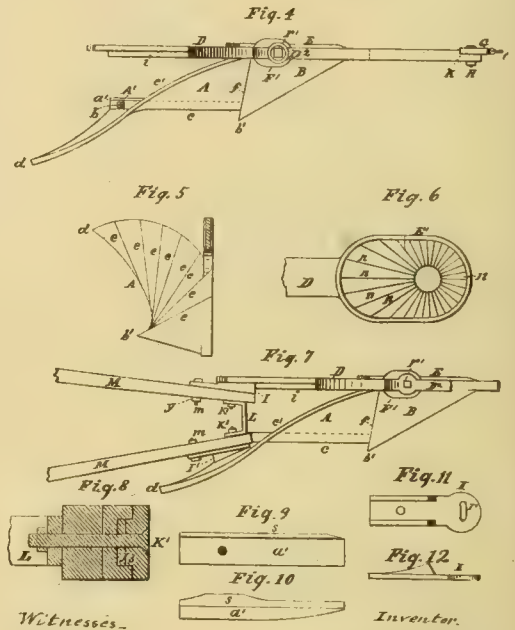
Atty.

(Model.) 2 Sheets—Sheet 2.

F. SIMONDS.

PLOW.

No. 256,750. Patented Apr. 18, 1882.



Witnesses.

F. H. Braun

C. A. Schaff

Inventor.

Fremont Simonds

By James Sangster

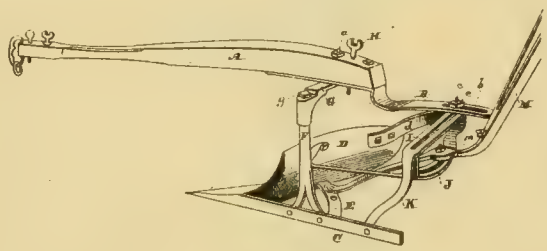
Atty.

(No Model.)

M. ROSS.

PLOW.

No. 257,241. Patented May 2, 1882.



Witnesses

Geo. H. Strong

Frank A. Brooks

Inventor

William Ross

By Dewey & Co

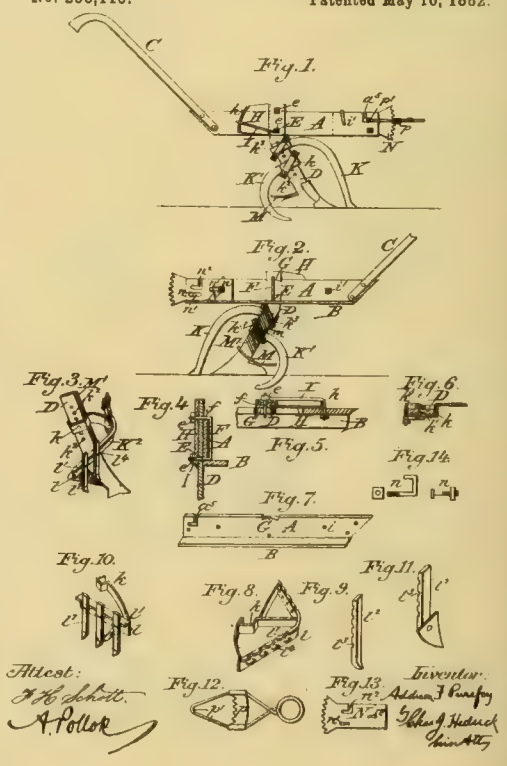
Attys

(Model.)

A. F. PUREFOY.

PLOW.

No. 258,115. Patented May 16, 1882.



Attest:

F. H. Schott

A. Pollok

Inventor.

Addison F. Purefoy

By Chas. J. Hedrick

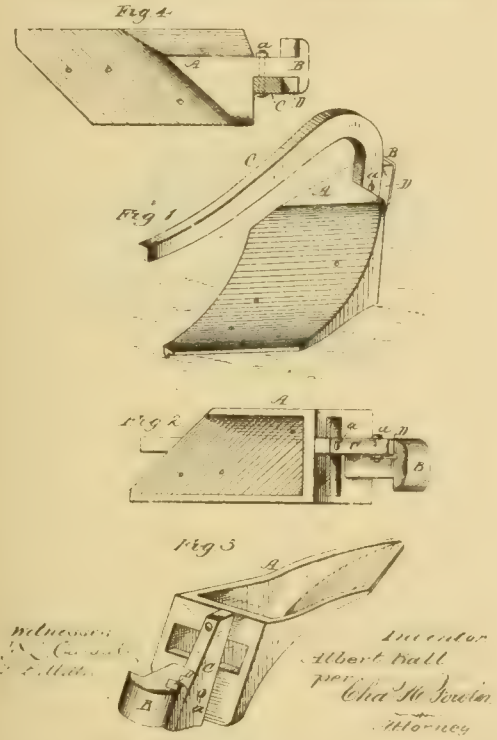
Sol. Atty.

(No Model.)

A. BALL

PLOW.

No. 259,659 Patented June 20, 1882.



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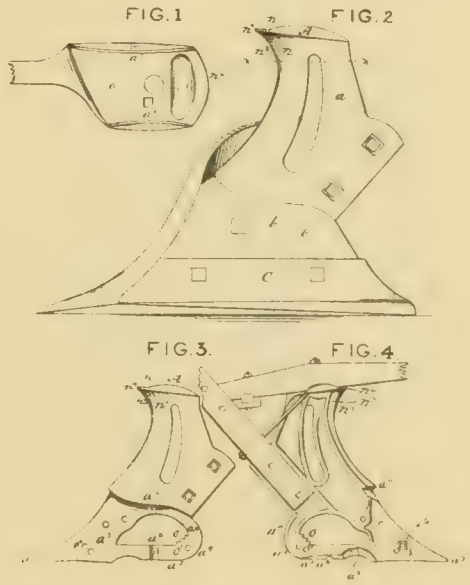
L. B. WHITE.

PLOW.

No. 260,072. Patented June 27, 1882.



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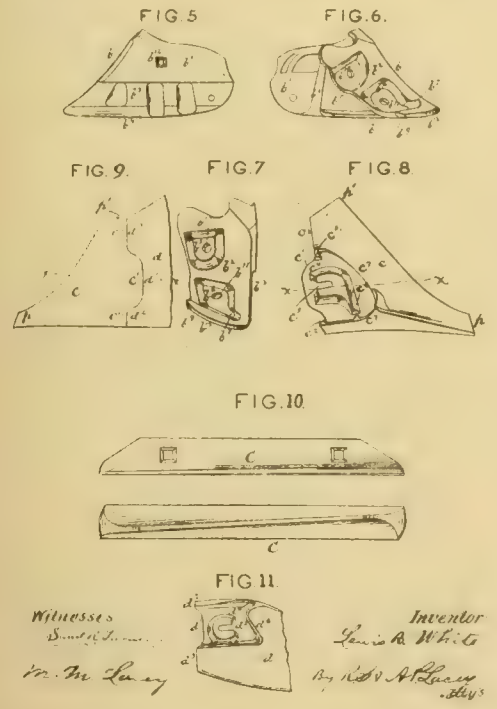
L. B. WHITE.

PLOW.

No. 260,072. Patented June 27, 1882.



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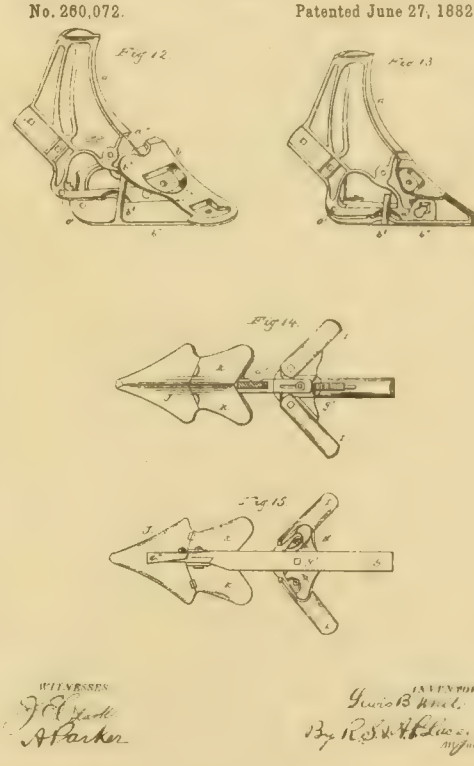
L. B. WHITE.

PLOW.

No. 260,072. Patented June 27, 1882.

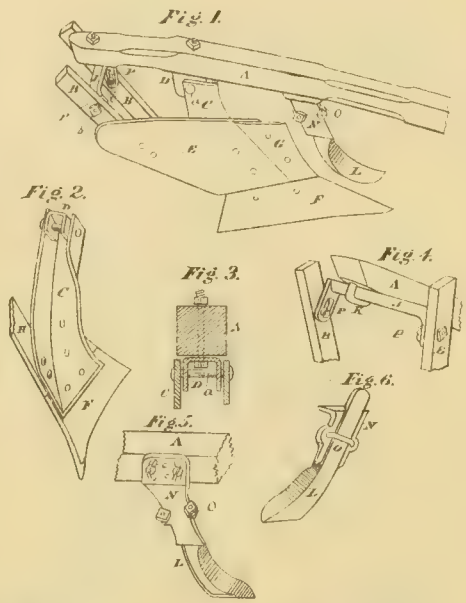


(No Model.)

C. F. MOCK.

PLOW.

No. 260,772. Patented July 11, 1882.



WITNESSES:
Frank Pardon
C. Hewitt

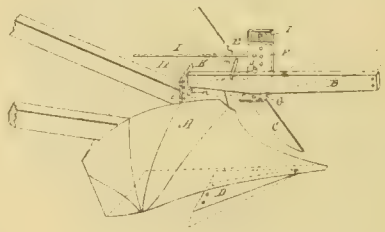
INVENTOR.
Charles F. Mock
by J. S. Hewitt
Attorney

(No Model.)

J. QUIN.

PLOW.

No. 260,785. Patented July 11, 1882.



WITNESSES:
W. W. Hollingsworth
H. Reed

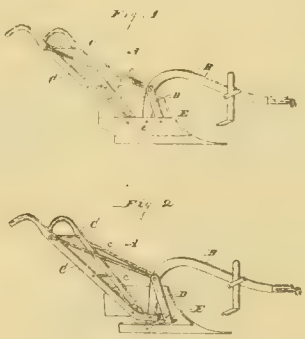
INVENTOR:
John Quin
BY
ATTORNEYS.

(No Model.)

J. M. BUCHANAN.

PLOW.

No. 261,528. Patented July 25, 1882.



WITNESSES:
John L. Marsu
George B. Lyons

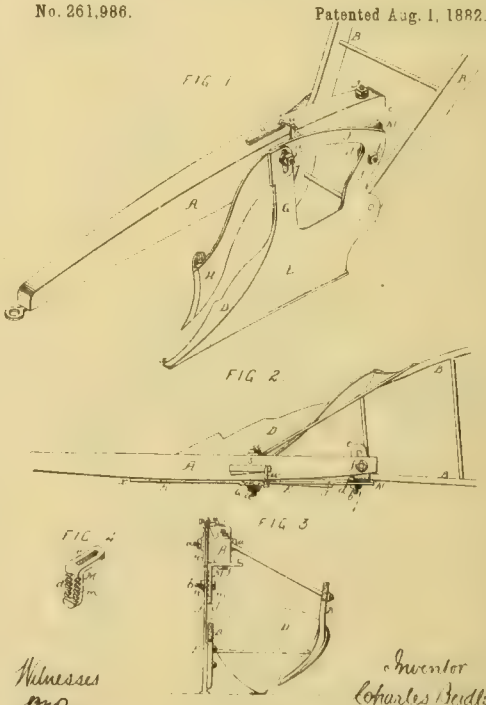
INVENTOR
James M. Buchanan

(No Model.)

C. BEIDLER.

PLOW.

No. 261,986. Patented Aug. 1, 1882.



Witnesses
Harry Smith

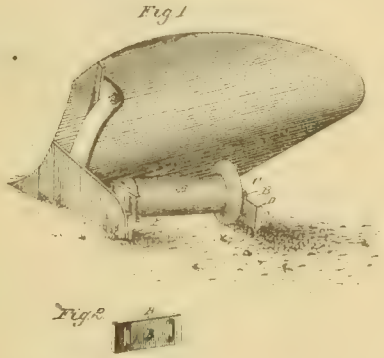
Inventor
Charles Beidler
by his Attorneys
Howson & Sons

(No Model.)

W. A. LEE.

PLOW.

No. 262,062. Patented Aug. 1, 1882.



Witnesses.
J. W. Armsmith
J. F. McMullen

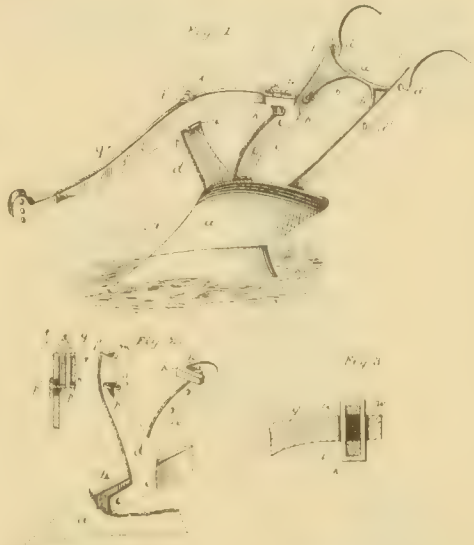
Inventor
Wm. A. Lee

(No Model.)

F. P. HOKE

PLOW.

No. 262,413. Patented Aug. 8, 1882.



WITNESSES:
Jno. Houghton
H. Wenck

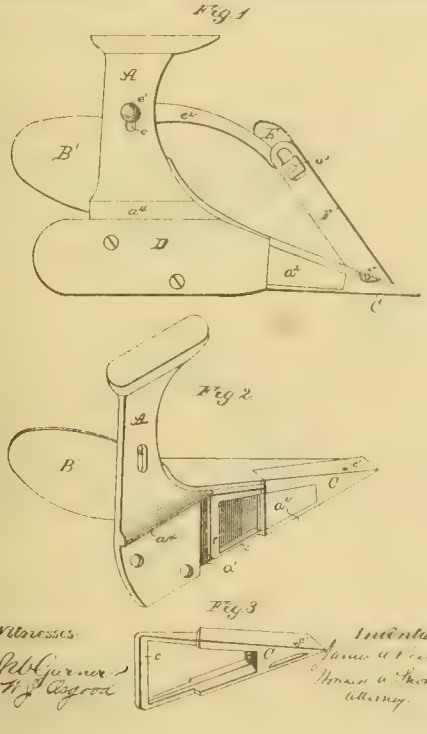
INVENTOR:
J. P. Hoke
BY
Thos. J. Lee
ATTORNEYS

(No Model.) 2 Sheets—Sheet 1.

J. A. PEEK.

PLOW.

No. 262,469. Patented Aug. 8, 1882.



Witnesses
Geo. Garner
W. J. Osgood

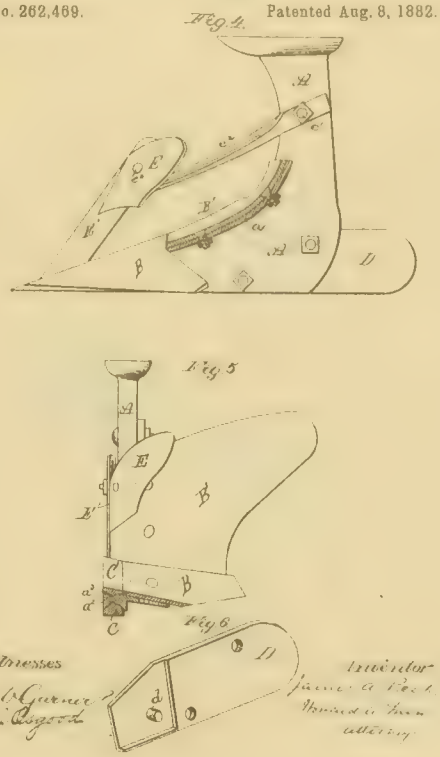
Inventor
James A. Peek
Thomas A. Thom
Attorney.

(No Model.) 2 Sheets—Sheet 2.

J. A. PEEK.

PLOW.

No. 262,469. Patented Aug. 8, 1882.



Witnesses
Geo. Garner
W. J. Osgood

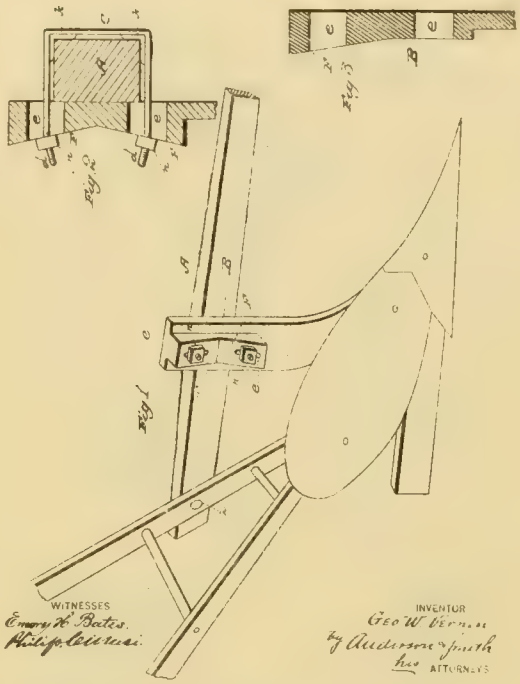
Inventor
James A. Peek
Thomas A. Thom
Attorney.

(No Model.)

G. W. VERNON.

PLOW STANDARD.

No. 263,256. Patented Aug. 22, 1882.



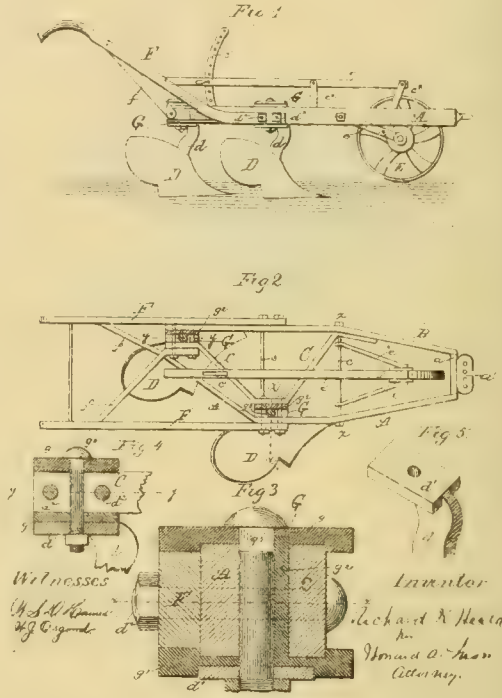
(No Model.)

R. K. HEALD, Dec'd.

L. M. HEALD, Administratrix.

PLOW.

No. 263,289. Patented Aug. 22, 1882.

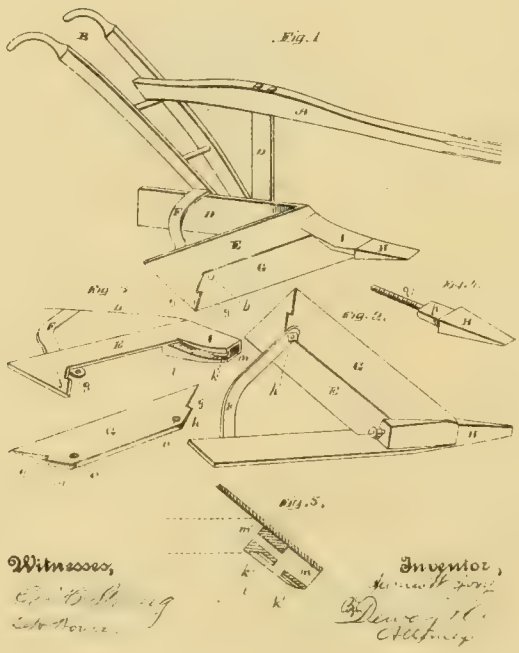


(No Model.)

J. W. JORY.

PLOW.

No. 263,789. Patented Sept. 5, 1882.



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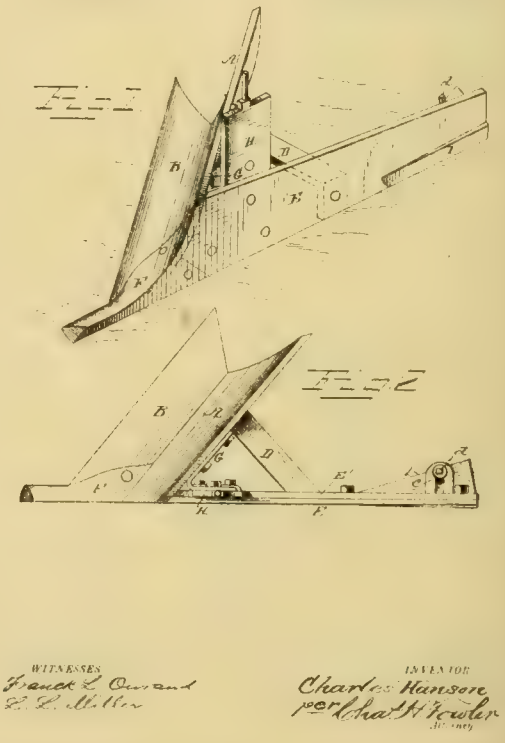
C. HANSON.

PLOW.

No. 264,828. Patented Sept. 19, 1882.

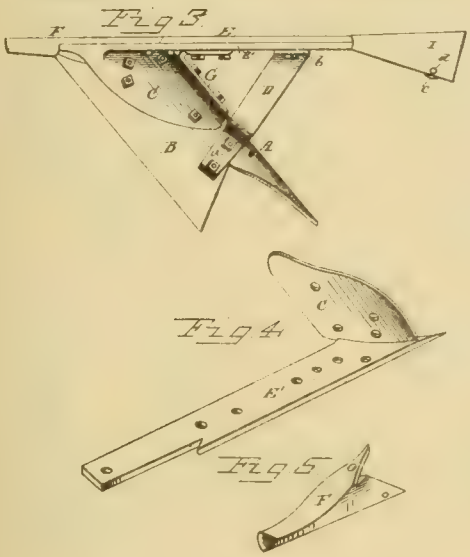


(Model.) 2 Sheets—Sheet 2.

C. HANSON.

PLOW.

No. 264,828. Patented Sept. 19, 1882.



Witnesses
F. [illegible]
[illegible]

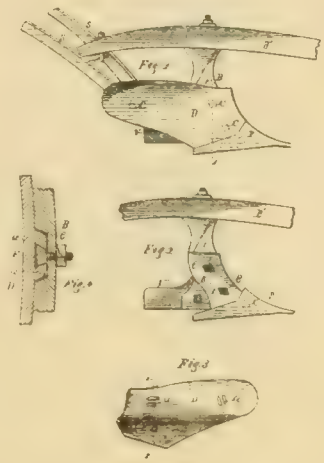
Inventor
Charles Hanson,
per Chas H. Fowler
Attorney

(No Model.)

K. KELLOGG.

PLOW.

No. 264,885. Patented Sept. 26, 1882.



Witnesses
John A. Wilkins
Francis W. Mendell

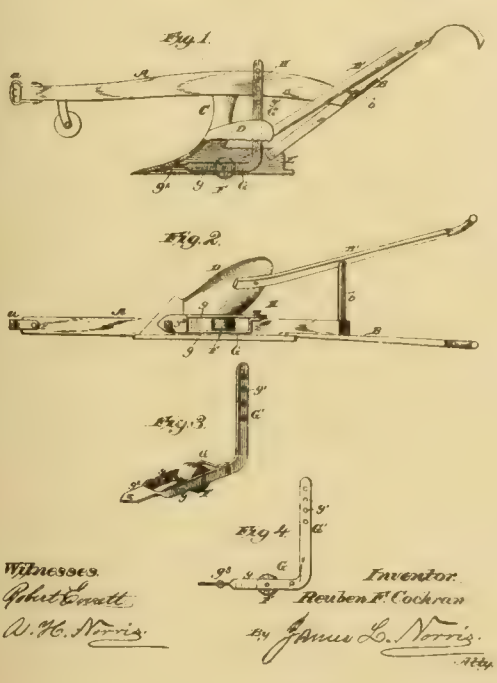
Inventor
Kirk Kellogg
By Lucius C. Rest
Atty.

(No Model.)

R. F. COCHRAN.

PLOW.

No. 265,484 Patented Oct. 3, 1882.



Witnesses.
Robert Everett
A. H. Norris

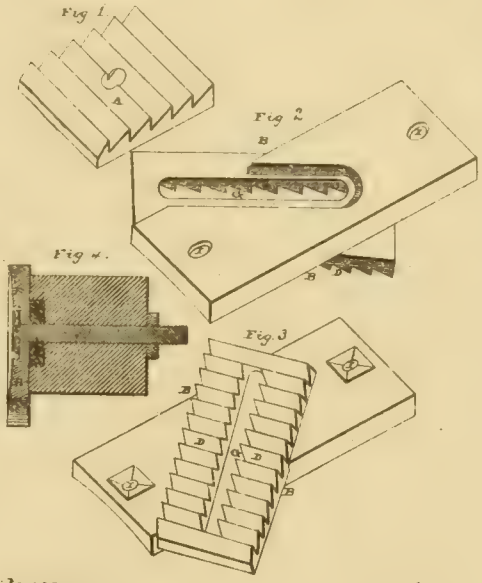
Inventor.
Reuben F. Cochran
By James L. Norris.
Atty

(Model.) 2 Sheets—Sheet 1.

H. O. KERNS.

DEVICE FOR ATTACHING PLOW BEAMS TO HANDLES.

No. 267,311. Patented Nov. 7, 1882.



Witnesses
Robt. Johnson
W. H. Kerns

Inventor
H. O. Kerns
per
F. A. Lehmann
Atty

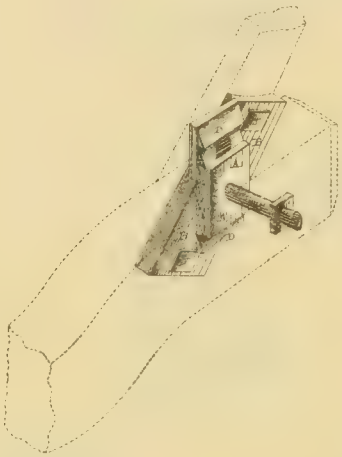
(Model.) 2 Sheets—Sheet 2.

H. O. KERNS.

DEVICE FOR ATTACHING PLOW BEAMS TO HANDLES.

No. 267,311. Patented Nov. 7, 1882.

Fig. 5.



Witnesses.
Louis F. Gardner
C. E. York

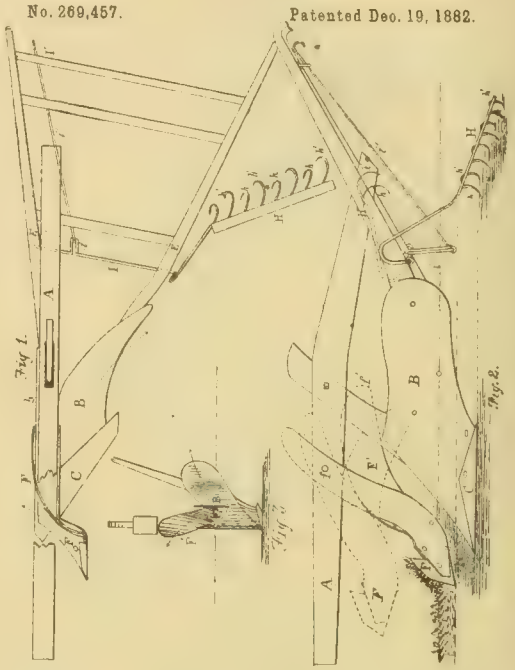
Inventor.
H. O. Kerns,
per
F. C. Lehmann,
Atty.

(Model.)

L. S. PFOUTS.

PLOW.

No. 269,457. Patented Dec. 19, 1882.



Attest
L. G. Stephens
W. H. Singleton.

Inventor
Leroy S. Pfouts
Per W. H. Singleton
Atty.

	Plate	Claim
Anderson, C.	715	458
Anderson, C. and Oliver J.	715	458
Armstrong, R. A. J.	707	455
Barr, J. H.	712	457
Bates, L. M.	697	451
Beach, W.	691	449
Bement, E.	695	451
Bergen, C.	691	449
Beverly, J. W.	707	456
Bowers, M. M.	705	454
" " " (R)	705	454
" " " (R)	706	455
Bowers, M. M.	710	456
Bowers, M. M.	714	458
Browsher, N. P.	710	457
Bronson, P. K.	696	451
Brown, J. B. and Pentreath, J.	712	457
Bucher, J. R.	708	456
Bullock, W.	693	450
Burch, L. D.	699	452
Caldwell, F. M.	700	453
Calvin, L. H. and Wallace, J.	705	454
Cameron, W. F.	716	459
Chandler, B. F.	709	456
Conklin, J. H.	691	449
Cook, W. H.	708	456
Conaway, W. A.	708	456
Cooper, G. W.	699	452
Cuming, T., Jr.	702	453
De Yampert, T. J.	694	450
Dicer, W.	716	459
Edmunds, T.	702	453
Ferguson, J. B. and White, S. M.	701	453
Gero, E, C. and Cooley, J. N.	700	452
Gibbs, W., G. and Wikidal, L. P.	698	452
Gibbs, M. L.	703	453
Hall, J. S.	695	451
Hall, H. G. and E. L.	697	452
Hall, L. W.	712	457
Harvey, B.	703	453
Herring, J. F.	704	454
Hildreth, G. W.	701	453
Jenkins, C. W.	709	456
Jenkins, W. F. and C. W.	711	457
Kerr, C. B.	700	453
Kessler, P.	711	457
Killefer, J.	714	458
Kniphals, H.	698	452
Lane, J.	698	452
Lane, J.	699	452
Lane, J.	701	453
Lee, H. A.	703	453
Long, J.	711	457
McIntyre, A. L.	708	456
Maschka, A.	696	451
Myers, C.	703	453
Nelson, D.	696	451
Norton, H.	694	450
Oliver, J.	712	457
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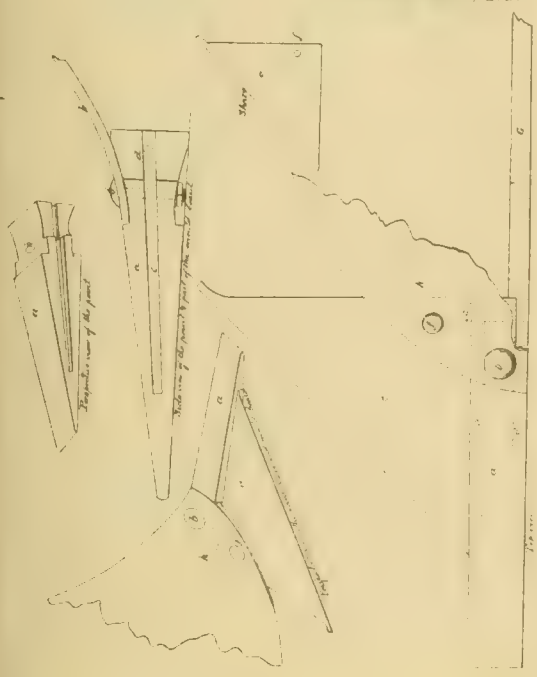
Oliver, J.	714	458
Peek, J. A.	704	454
Pinney, N. G.	706	455
Post, J. W.	692	450
Rams, T.	697	451
Ready, W. B.	706	455
Reed, L. M	699	452
Revercomb, J.	694	450
Reynolds, I.	693	450
Robb, J.	693	450
Rogers, H. D.	695	451
Saladee, C. W. and Simpson, T.	696	451
schenck, J. C. F.	704	453
Selden, D. J.	697	451
Smith, R.	709	456
Snider, I.	692	449
" " (A. I.)	692	450
Sprouse, W. T.	693	450
Stewart, J. A.	694	451
Storle, O. O.	700	453
Strong, C. C.	704	454
Throp, G. W.	701	453
Tirssler, W. H.	707	455
Tirssler, W. H.	707	455
Tucker, R. C.	715	459
Turley, M.	710	456
Turner, W. J.	716	459
Urie, T. S.	706	455
Walker, G. A.	695	451
Weeks, L. and Trimble, J. S.	702	453
White, S. M. and Francis, J. A.	711	451
Williams, W. B.	698	452
Winans, R.	691	449
Wolf, D.	710	456
Woodcock, B.	692	449
" " (R)	692	449
Yeiser, C.	715	459
Zeller, J. P.	705	454

C. Bergen.

Plow-Point.

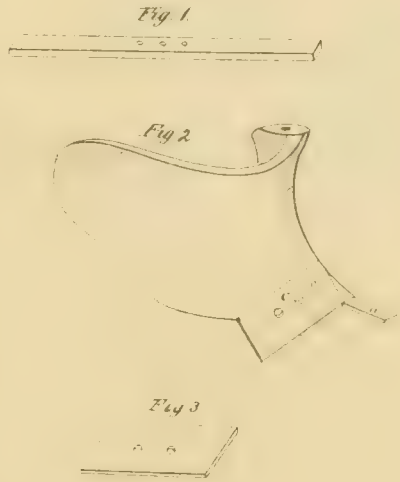
Patented Nov 11, 1819



A. Minens.

Plow.

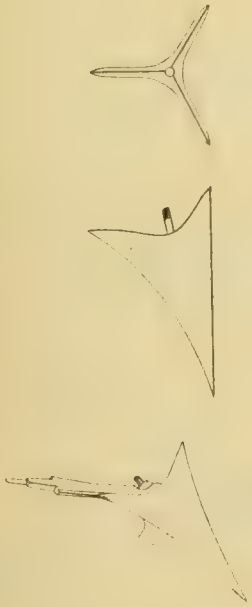
Patented May 11, 1824.



W. BEACH.

Plow-Point

Patented Nov. 8, 1825.



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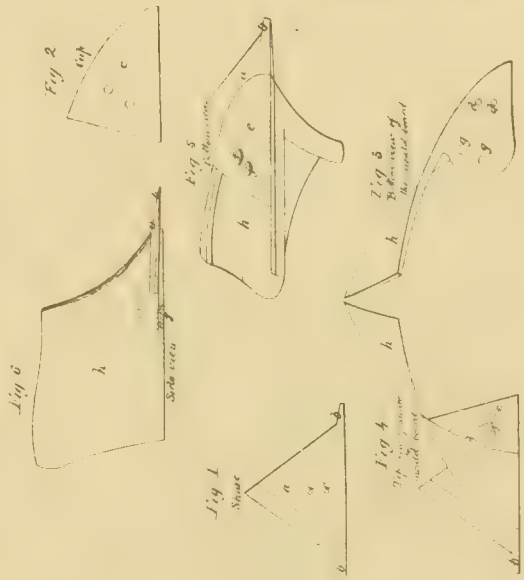
Plow-Point

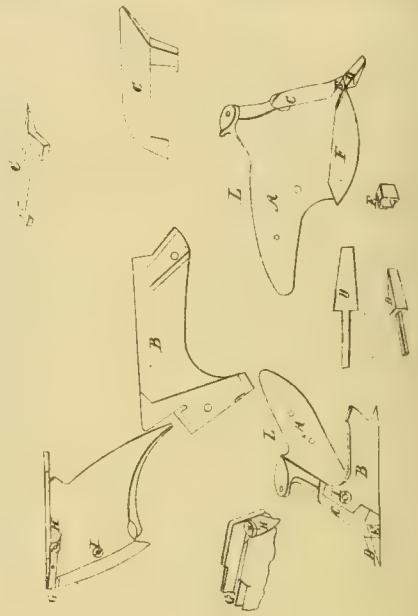
Patented Jan. 3, 8[illegible]



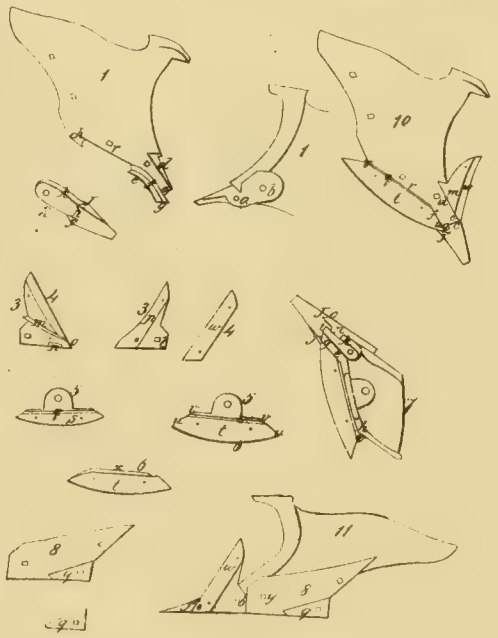
No 233 J. Woodcock.
Mount Pleasant Pa.
Plows.
Patented June 14, 1837.

No 476 Reissued Nov 23, 1837.
Drawings Lost.
See Claims.

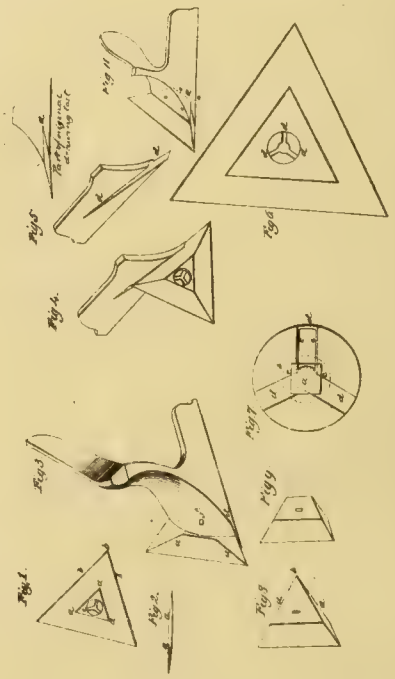
I. Snider.
Self Sharpening Plow
No 295. Patented Jul. 29 1837.



I. Snider,
Plow.
No. 44. (Alt) Patented May 11. 1841.



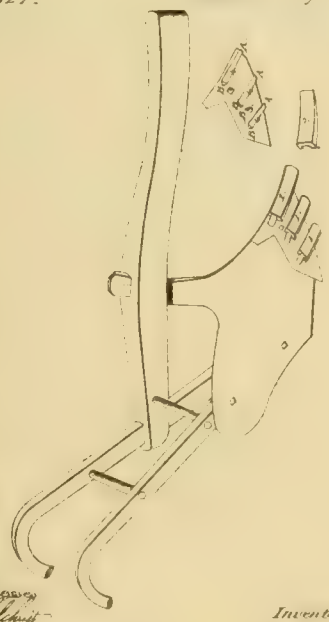
J. W. Post.
Plow.
No 970. Patented Oct 8, 1838.



W. Bullock

Plow.

No. 1,127. Patented July 30 1845



Witnesses

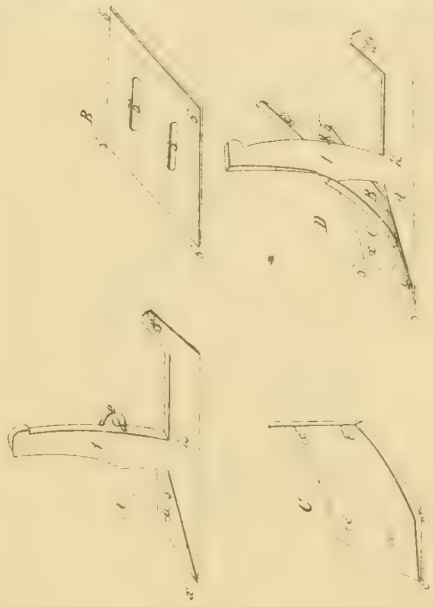
Inventor

W. Bullock

W. T. Sample.

Plow.

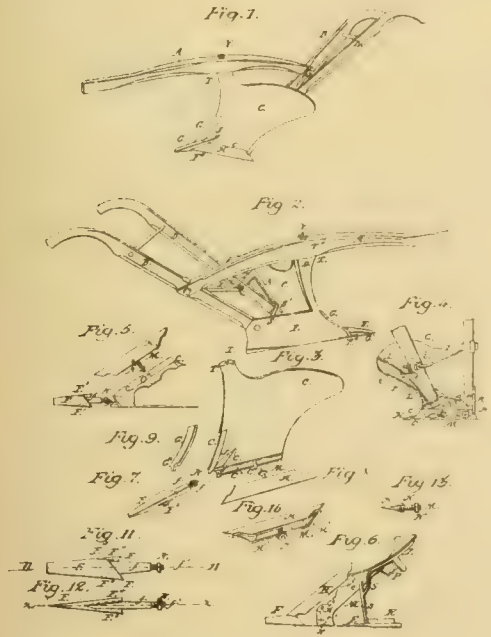
No. 6179 Patented Nov. 13 1849



I. REYNOLDS.

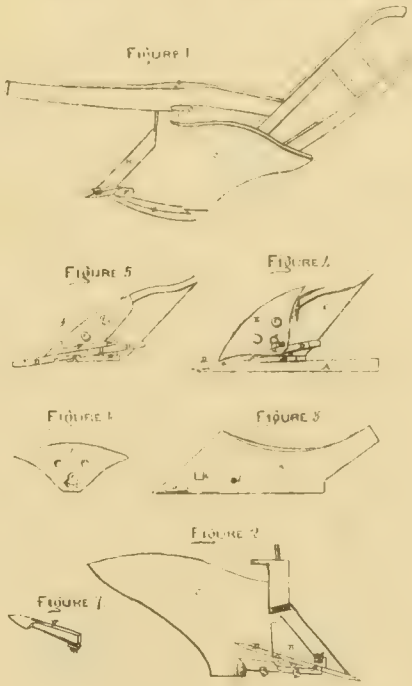
Plow-Point.

No. 7,223. Patented Mar. 26, 1850



Plow-Point

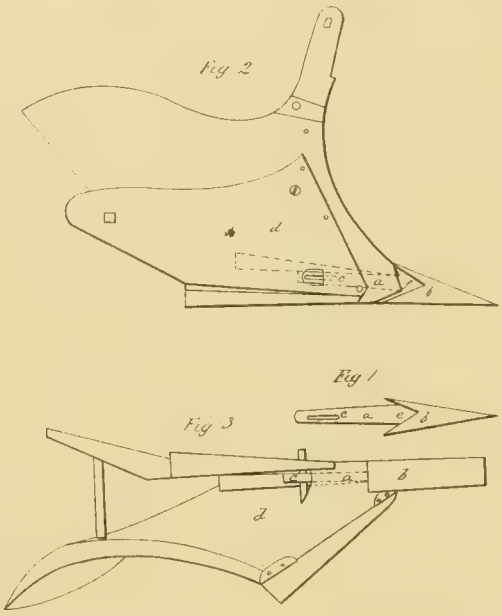
No. 9,551 Patented Oct. 12 1852.



J. Revercomb,

Plow.

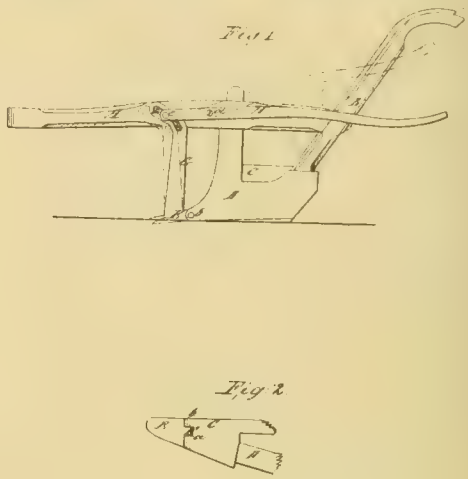
No. 11,201. Patented June 27, 1854.



H. Merton.

Plow

No. 13,653. Patented Oct. 9, 1855.



T. J. De Yampert

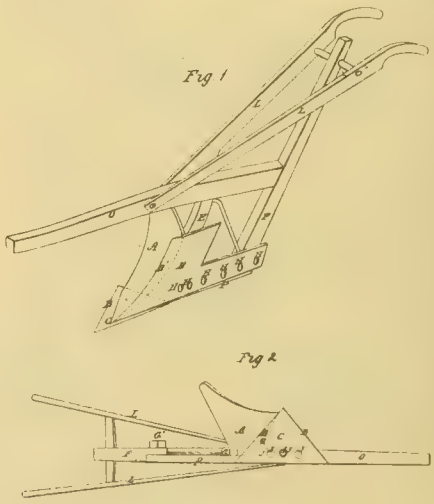
Plow.

No. 25,944. Patented May 10, 1859

J. H. Stewart

Plow Point.

No. 30,263. Patented Oct. 2, 1860.



Witnesses.

Inventor

H. T. Rogers.

Plow Point.

No. 30,362 Patented Oct. 9, 1860.

Fig. 1

Fig. 3

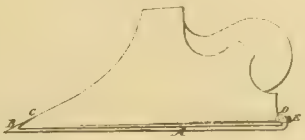


Fig. 2

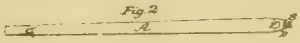
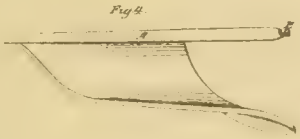


Fig. 4.



Witnesses
James Hills
H. Sotmer

Inventor
Henry T. Rogers

G. A. WALKER.

Plow-Point.

No. { 680. / 31,684. } Patented Mar. 12, 1861.

Fig. 1.

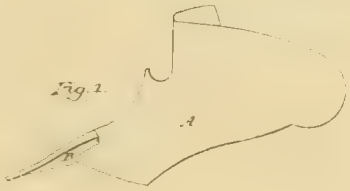


Fig. 2.

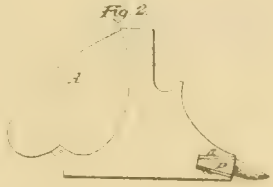


Fig. 3.

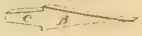
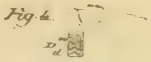


Fig. 4.



J. S. Hall.

Plow Point.

No. 35,818. Patented Jul. 8, 1862.

Fig. 1

Fig. 2

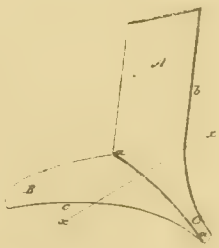
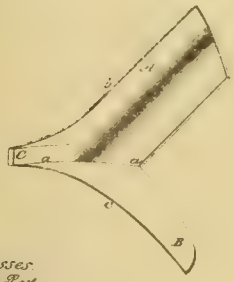


Fig. 3



Witnesses.
Henry H. Prot.
J. B. Little.

Inventor
John S. Hall
By Amy A. B. Stringham

E. Bennett.

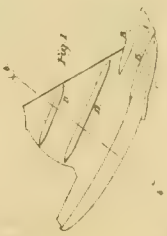
Plow Point.

No. 36,447 Patented Sep. 16, 1862.

Fig. 3

Fig. 4

Fig. 1



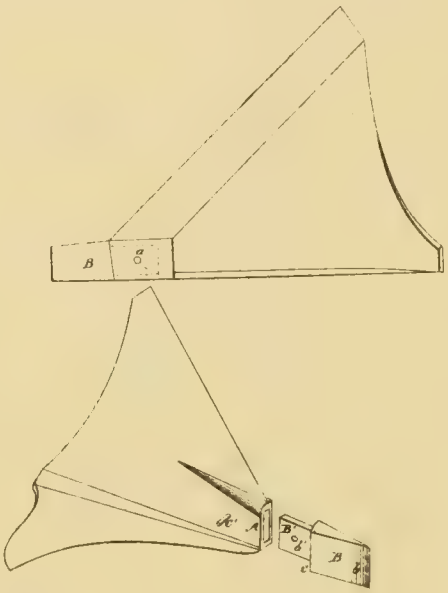
Witnesses
Thomas
H. W. Mustin

Inventor
Edwin Bennett

D. NELSON.

Plow-Point.

No 44,442 Patented Sept. 27. 1864



Witnesses.

John Knight

Abraham Sperling

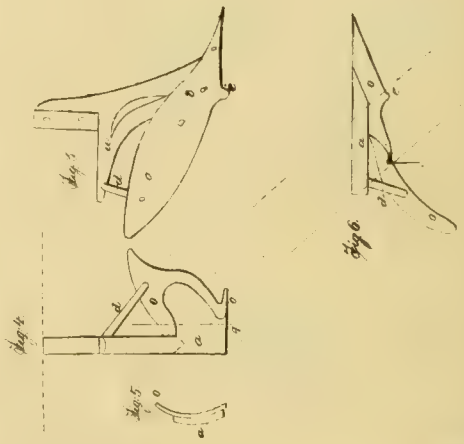
Inventor.

David Nelson

A. MASCHKA.

Plow-Point

No. 50,942. Patented Nov 14, 1865



Witnesses

A Howard

C W the Krauch

Inventor.

Anton Maschka

SALADEE & SIMPSON.

Plow-Point.

No. 53,491. Patented Mar. 27, 1866.

Witnesses:

Thomas W Dyer

John Wharton

Inventors:

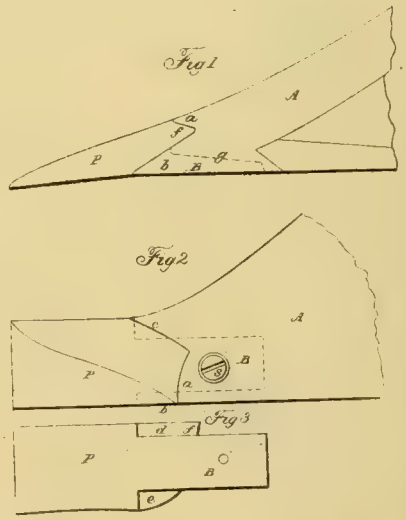
Spruce W Saladee

Thomas Simpson

P K. BRONSON

Plow-Point

No. 53,565. Patented Apl 3, 1866.



Witnesses

M Easterbrook Jr

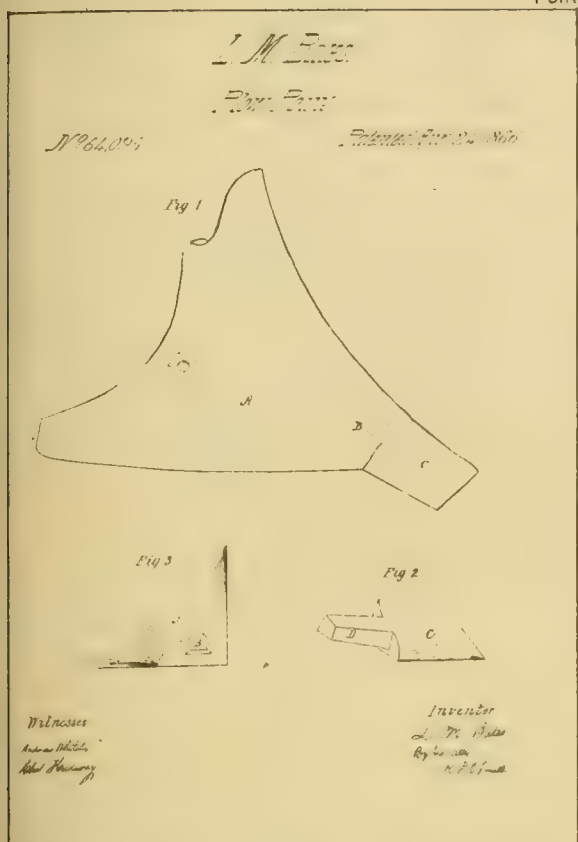
J A Loughborough

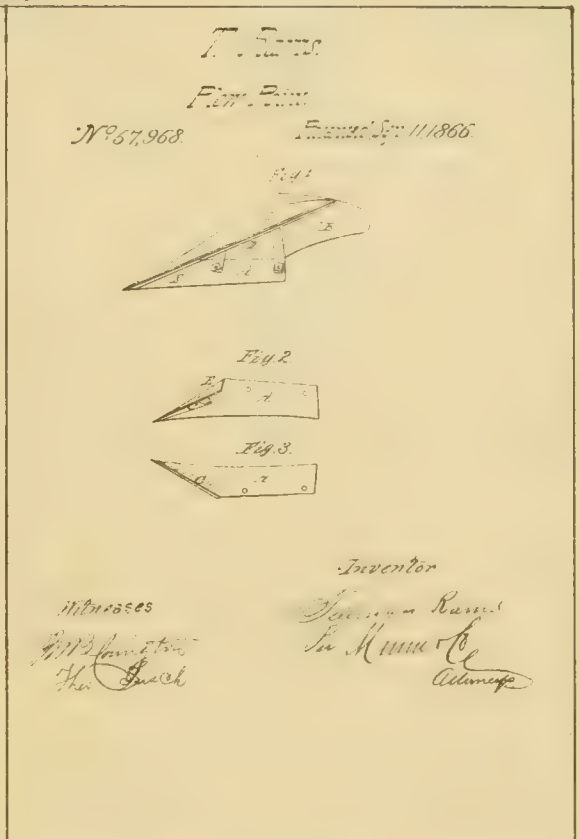
Inventor.

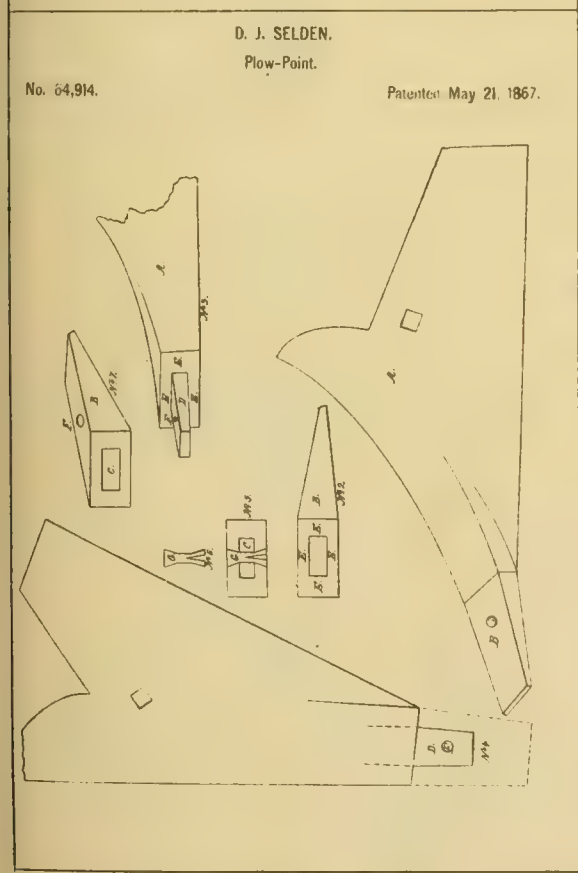
P K Bronson

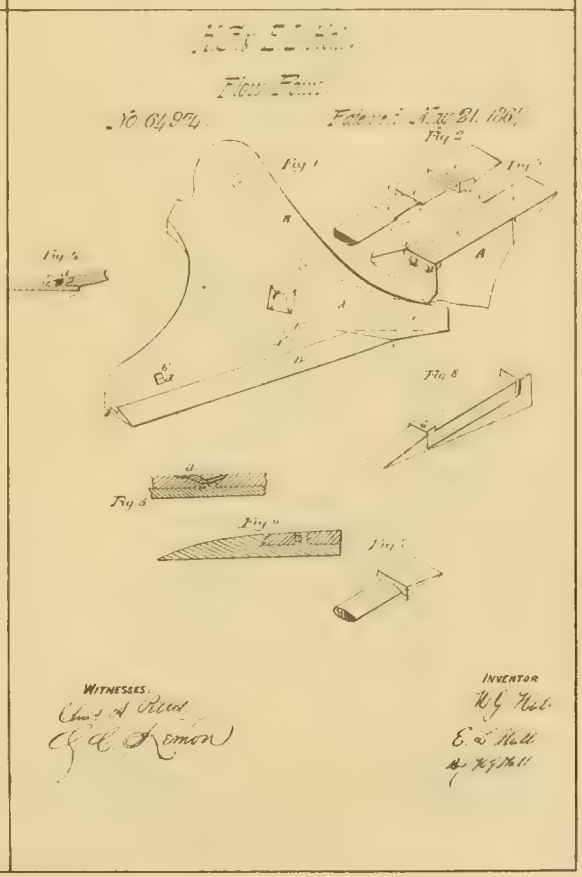
By his Atty

Wm J Loughborough


Plow-Point
Fig 1
Fig 3
Fig 2
Witnesses
Inventor


Plow-Point
No. 57,968.
Fig. 1
Fig. 2
Fig. 3
Witnesses
Inventor

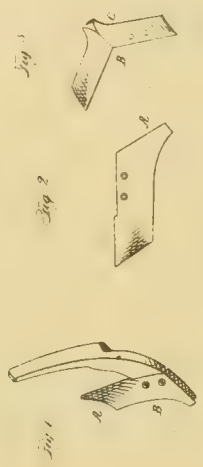

D. J. SELDEN.
Plow-Point.
No. 64,914.
Patented May 21, 1867.


Plow-Point
Fig 1
Fig 2
Fig 3
Fig 6
WITNESSES.
INVENTOR

W. B. WILLIAMS.

Plow-Point.

No. 67,831 Patented Aug. 13, 1867.



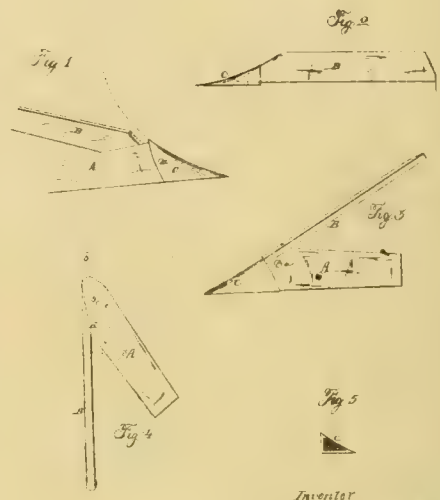
Witnesses:
Jas Bussey
H J Seely

Inventor:
W B Williams

H. KNIPHALS

Plow-Point.

No 68,255 Patented Sept 10 1867



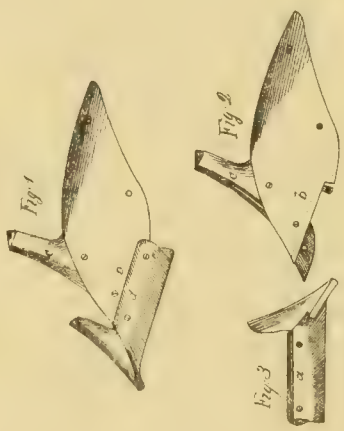
Witnesses:
J. K. Williams

Inventor
Hiram Knaphals

W & G. Gibbs & L. P. Wikidal.

Plow.

No 71735 Patented Dec. 3, 1867



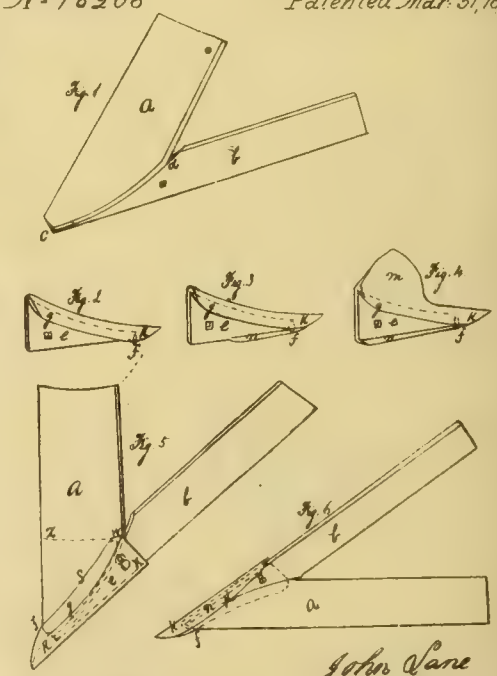
Witnesses
W Hamm A Lynche
Louis Schaper

Inventor
William Gibbs
Geo Gibbs
Louis P Wikidal

J. Lane.

Plow.

No 76208 Patented Mar. 31, 1868



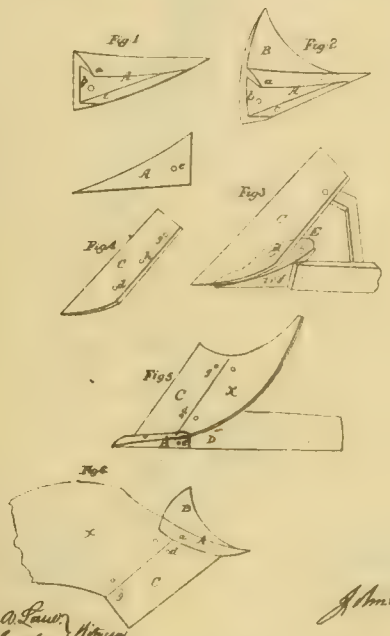
John Lane

Julius A. Lane
Ernest J. Lane } Witnesses

J. LANE.

Plow Point

No. 80,189. Patented July 21, 1868.

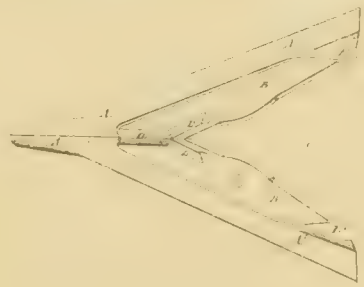


Witnesses

L. D. Burrell

Plow Point

No. 85,130. Patented Oct. 20, 1868



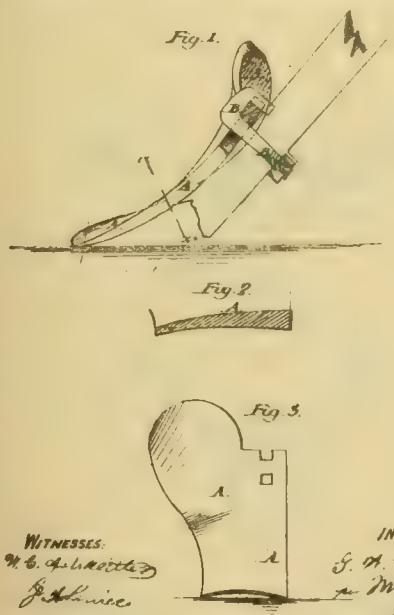
Witnesses

Inventor

G. W. Cooper.

Plow Point.

No. 84,798. Patented Dec. 8, 1868.



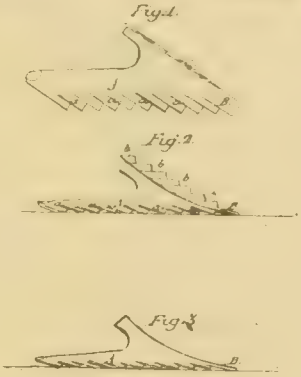
Witnesses:

Inventor:

L. M. Reed,

Plow Share.

No. 85,583. Patented Jan. 5, 1869



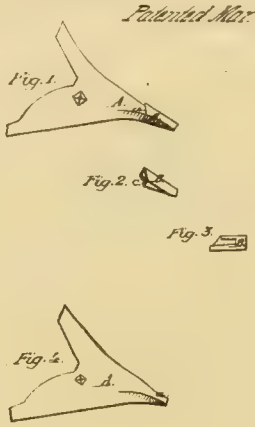
Witnesses:

Inventor:

Geo. E. Cooley.

Plow Point.

No. 87,484 Patented Mar. 2, 1869.



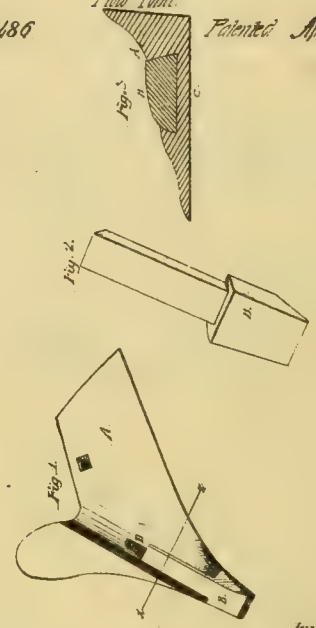
Witnesses:
G. P. Dorr
Frank C. Young

Inventor.
E. G. Cooley
Jas. N. Cooley

C. B. Kerr,

Plow Point.

No. 89,486 Patented Apr. 27, 1869.



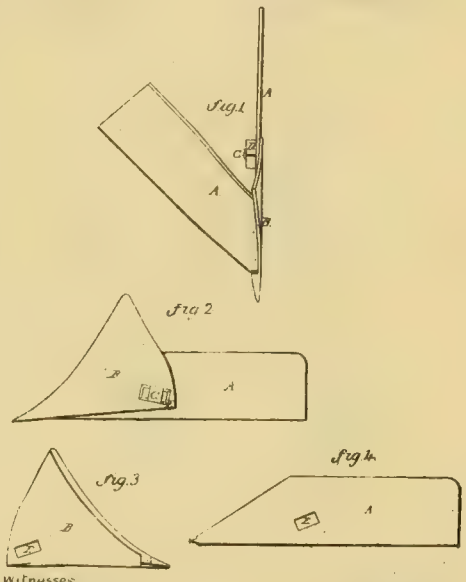
Witnesses:
A. Rupp
E. Ostmann

Inventor
C. B. Kerr
by D. P. Witherspoon & Co.
Attys

O. C. Storle.

Plow Point.

No. 90,604. Patented May 25, 1869.



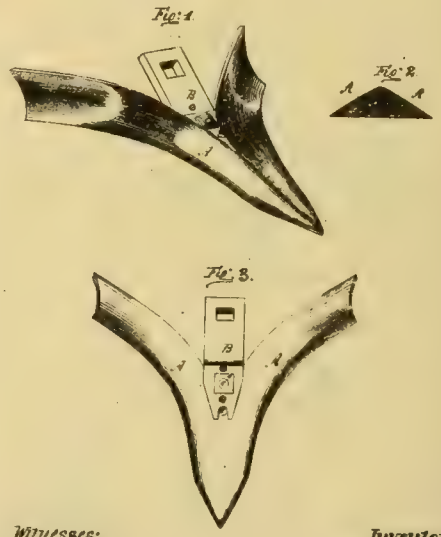
Witnesses
H. B. Smith
H. B. Look

Inventor
Ole C. Storle

F. M. Caldwell.

Plow.

No. 97,162 Patented Nov. 23, 1869.



Witnesses:
Godfrey Mathys
B. F. Barnes

Inventor:
F. M. Caldwell

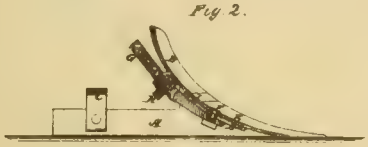
G. W. Thorp,

Plow Share.

No. 110,633. Patented Jan. 3. 1871.

Fig. 1.

Fig. 2.



Witnesses:

E. W. Hyde
E. S. Mabee

Inventor:

Geo. W. Thorp
per Munn & Co.
Attorneys.

J. Lane.

Plow Share.

No. 110,860. Patented Jan. 10. 1871.

Fig. 1

Fig. 2

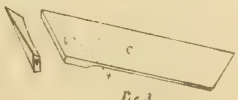
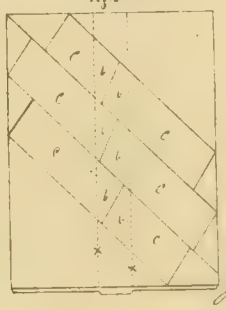


Fig. 3



Witnesses

Ernest J. Lane
Julius Lane

Inventor

John Lane

Ferguson & White,

Plow.

No. 110,231. Patented Feb. 28. 1871.

Fig. 1.

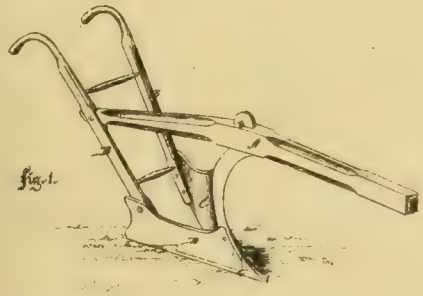


Fig. 2.

Witnesses.

C. L. Hurst
C. H. C. Mann

Inventors:

J. J. Ferguson
J. M. White
per Alexander Mason
Atty.

G. W. Wildreth.

Plow Point Sharpener.

No. 113,066. Patented Mar. 7, 1871.

Fig 1

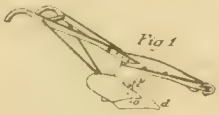


Fig 6

Fig 2

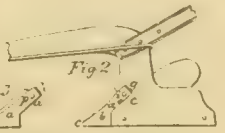
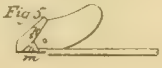


Fig 3

Fig 4

Fig 5



Witnesses

Joseph Clark
Daniel McKim

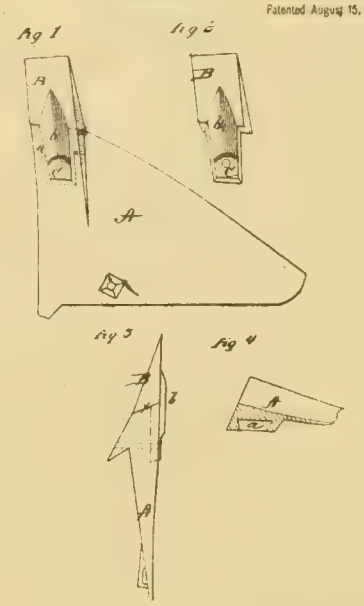
Inventor

George W. Wildreth.

THOMAS EDMUNDS.

Plow Share.

No. 118,119. Patented August 15, 1871.



Witnesses.
G. L. Ewart.
J. E. Durand

Inventor
Thos. Edmunds.
per
Alexander Mackay
Atty.

T. Cuming Jr. Plow.

No. 120,248 Patented Oct. 24, 1871

Witnesses:
John Wells
Gustave Lietsch

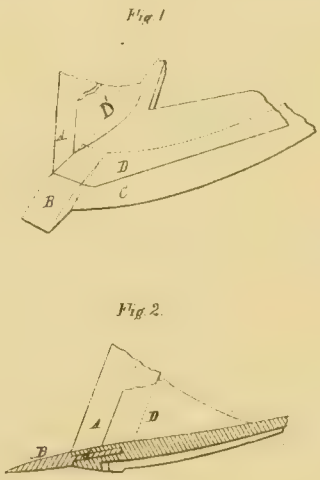
Inventor:
T. Cuming Jr.
per
Munn & Co
Attorneys.

2 Sheets--Sheet 1.

L. WEEKS & JOHN S. TRIMBLE.

Improvement in Plows.

No. 126,856. Patented May 14, 1872.



Witnesses
Willis Anderson
D. D. Kane.

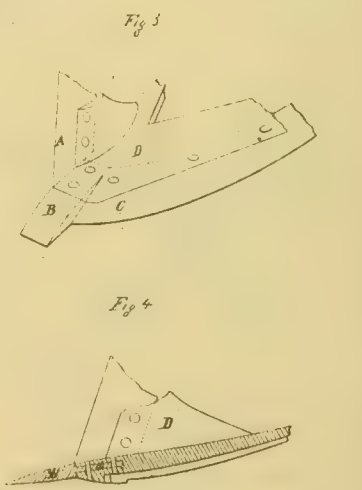
Inventor.
Lyman Weeks,
Jno S. Trimble
Chipman & Munn & Co
Attys.

2 Sheets--Sheet 2

L. WEEKS & JOHN S. TRIMBLE.

Improvement in Plows.

No. 126,856. Patented May 14, 1872



Witnesses.
Willis Anderson
D. D. Kane.

Inventor.
Lyman Weeks
Jno S. Trimble
Chipman & Munn & Co
Attys

M. L. GIBBS.

Improvement in Plow-Points.

No. 128,221. Patented June 25, 1872.

Fig. 1.

Fig. 2.

Fig. 3.

Witnesses.

Richard Hunt

Inventor.

Per Munn & Co.

Attys.

H. A. LEE.

Improvement in Plows.

No. 132,677. Patented Oct. 29, 1872.

Fig 1

Fig 2

Fig 3

Witnesses

C. L. Esch.

Inventor

Per Munn & Co.

Attorneys.

B. HARVEY.

Plowshares.

No. 133,854. Patented Dec. 10, 1872.

Fig. 1.

Fig. 2.

Witnesses.

Inventor.

Per Munn & Co.

Attys.

C. MYERS.

Subsoil Gang-Plows.

No. 145,361 Patented Dec. 9, 1873.

Fig. 1

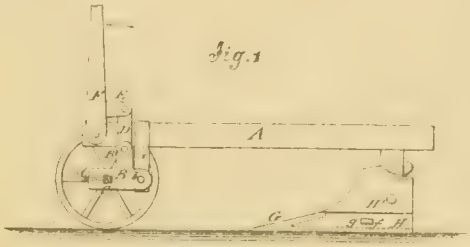


Fig. 3.

Fig. 2.

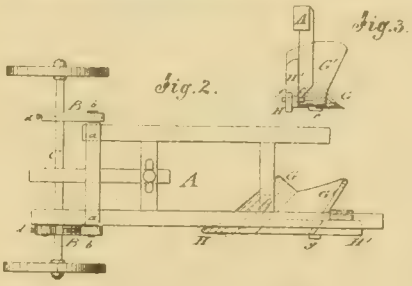


Fig. 4.

Witnesses:

Inventor:

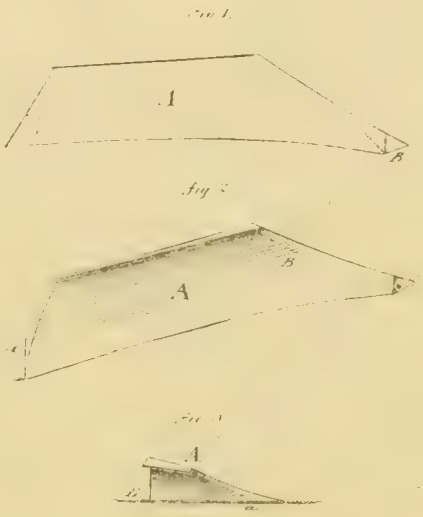
Per

Attorneys.

J. C. F. SCHENCK.

Plow-Shares.

No. 150,087. Patented A[illegible] 1874



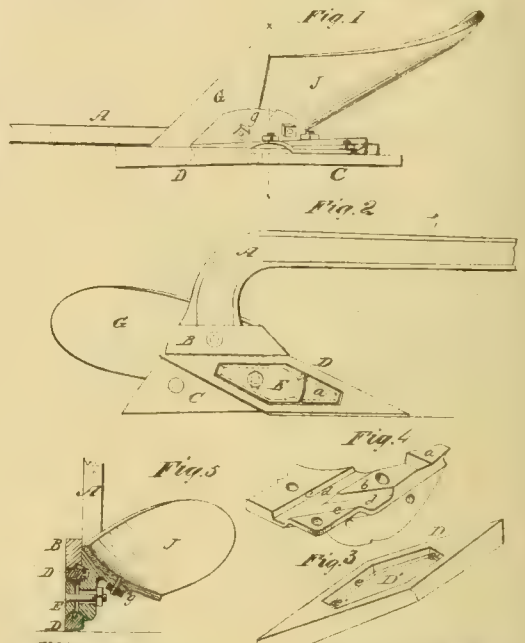
Witnesses:
[illegible]
[illegible]

Inventor:
[illegible]
Per [illegible]
Attorneys.

J. A. PEEK.

Plow-Points

No. 153,109 Patented July 14, 1874.



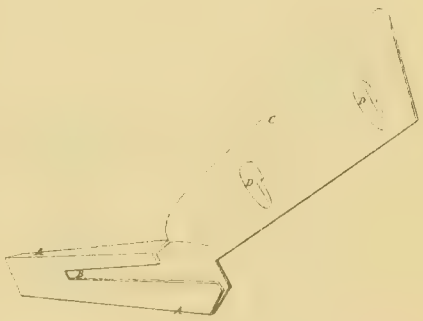
Witnesses:
George E. Upham
Emory H. Bailey

Inventor:
James A. Peek
Chapman Brown & Co.
Attorneys

J. F. HERRING.

Plow Points and Shares.

No. 154,139. Patented Aug. 18, 1874.



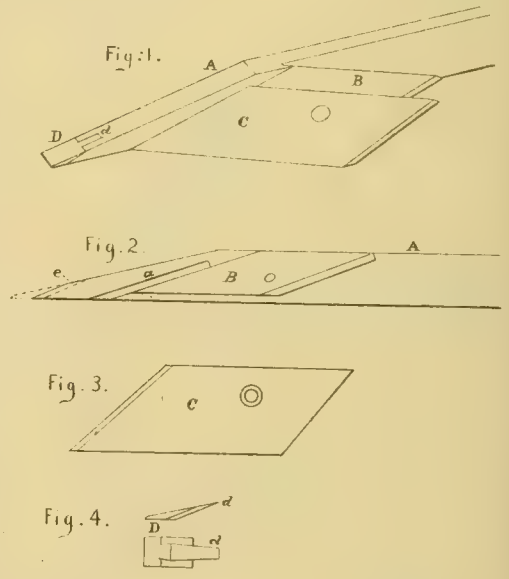
George E. Gooley
Edward A. Metcalf } Witnesses

Joseph F. Herring,
Inventor.
by Job Abbott,
Attorney.

C. C. STRONG.

Plows.

No. 157,464. Patented Dec. 8, 1874.



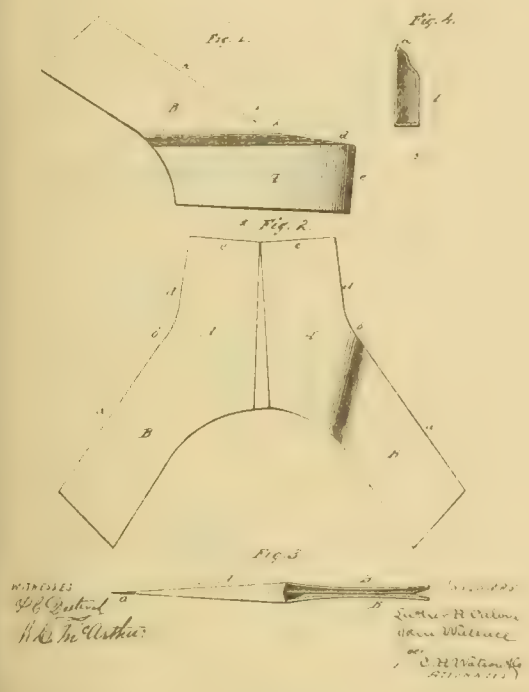
Witnesses:
A. Moore
Alonzo Meagher

Inventor
Charles C. Strong

L. H. CALVIN & J. WALLACE.

Plow-Points.

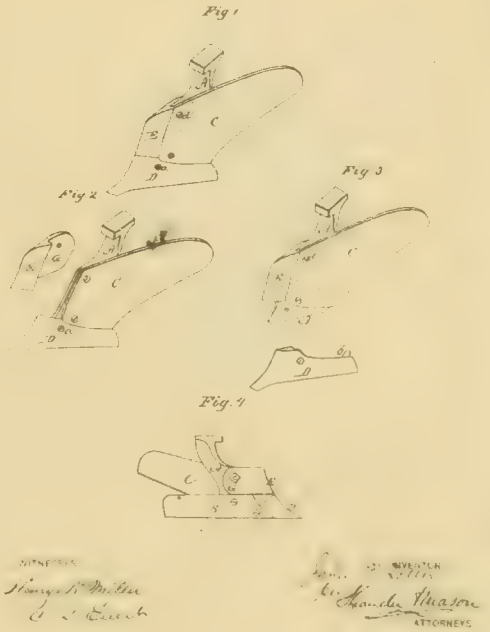
No. 157,790. Patented Dec. 15, 1874.



J. P. ZELLER.

Plow.

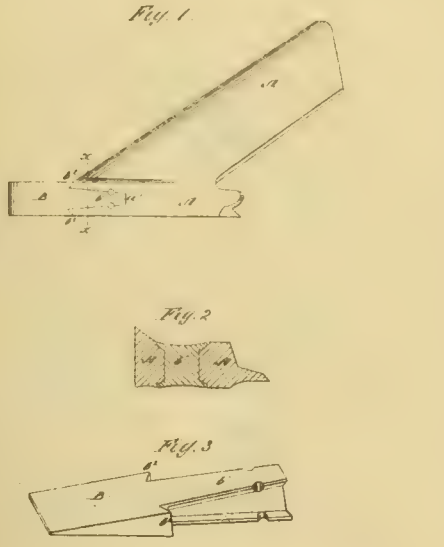
No. 163,563. Patented May 18, 1875.



M. M. BOWERS.

Reversible Plow-Points.

No. 165,703. Patented July 20, 1875.

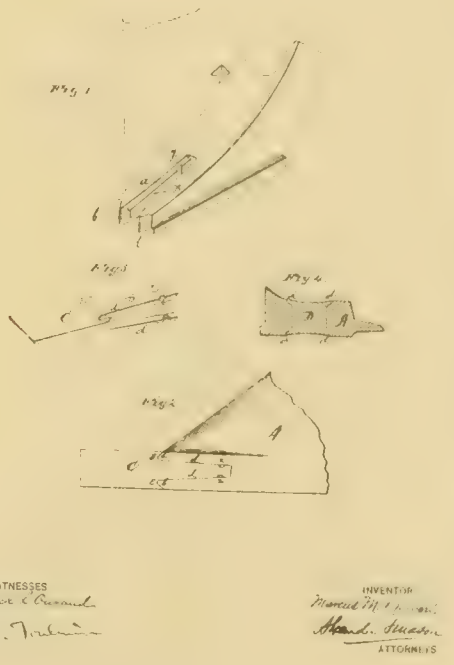


M. M. BOWERS.

Assignor by mesne assignments to himself and J. P. Schermerhorn and T. M. Hitzelmeier, Jr.

REVERSIBLE PLOW-POINTS.

No. 7,894. Reissued Sept. 25, 1877.

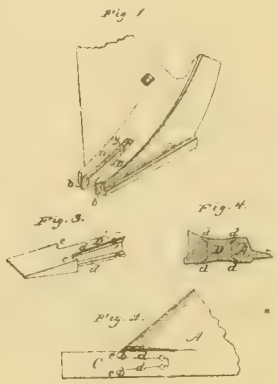


M. M. BOWERS,

Assignor by mesne assignments to HIMSELF, T. M. HILTZHEIMER, JR., & E. D. UTTER, Executor.

Reversible Plow-Point.

No. 9,236. Reissued June 8, 1880.



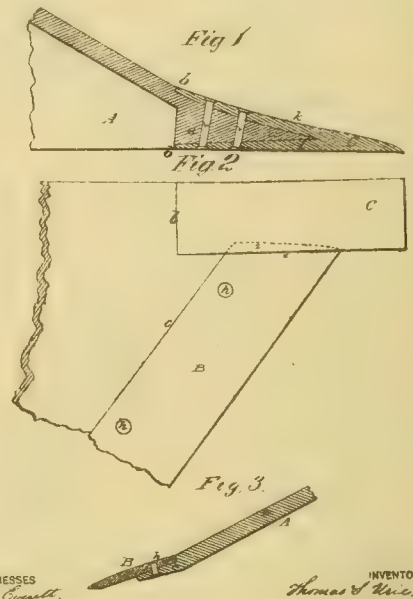
Witnesses
A. W. Fox
J. S. Barker

Inventor
Marcus M. Bowers
by W. W. Doubleday atty

T. S. URIE.

PLOW-POINT.

No. 171,068. Patented Dec. 14, 1875.



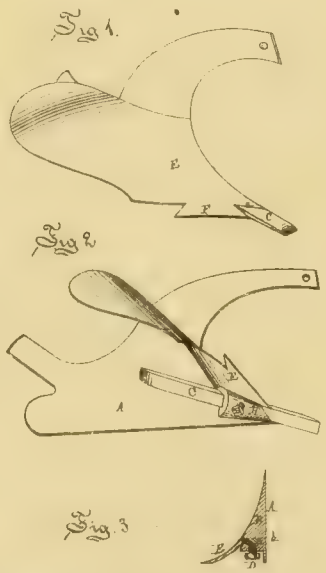
WITNESSES
Robert Everett
George E. Upham

INVENTOR
Thomas S. Urie.
Shipman & Hammond,
ATTORNEYS

N. G. PINNEY.

PLOW

No. 171,166. Patented Dec. 14, 1875.



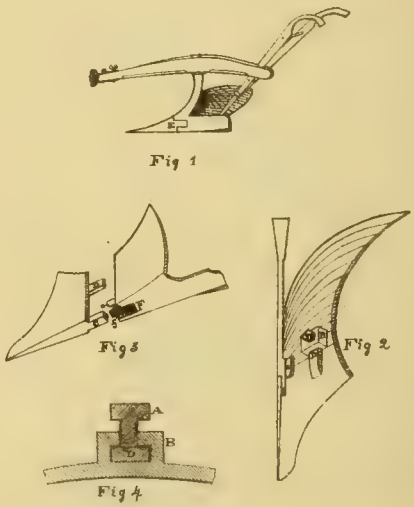
Witness:
Edward Bartlett
Geo. S. Dorr

Inventor
N. G. Pinney
By Atty
Alex. S. Pope

W. B. READY.

PLOW-POINT.

No. 172,053. Patented Jan. 11, 1876.



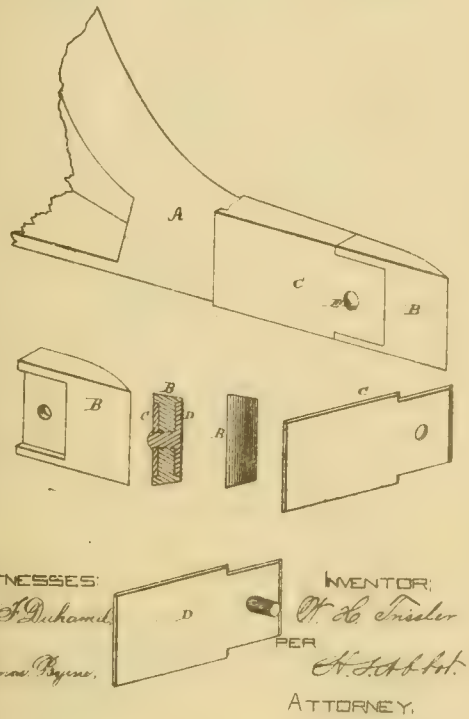
Witnesses:
Robert Schaughnessy
Benjamin Willard Jr.

Inventor
William Bell Ready

W. H. TRISSLER.

PLOW-POINT.

No. 174,449 Patented March 7, 1876.



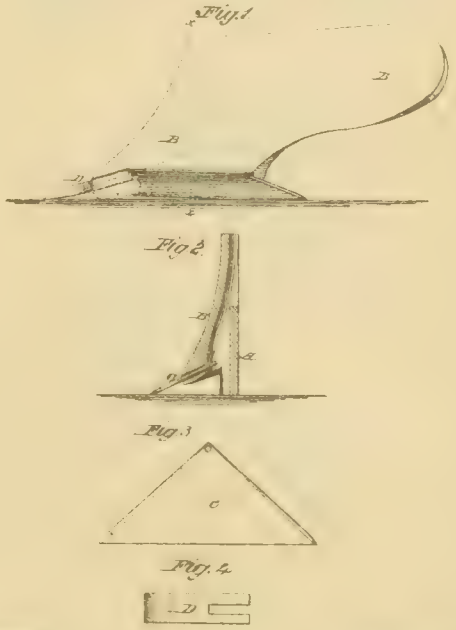
WITNESSES:
Jas. H. Duhamel
Thomas Byrne.

INVENTOR:
W. H. Trissler
PER
H. T. A. & Co.
ATTORNEY.

R. A. J. ARMSTRONG.

PLOW.

No. 175,320. Patented March 28, 1876.



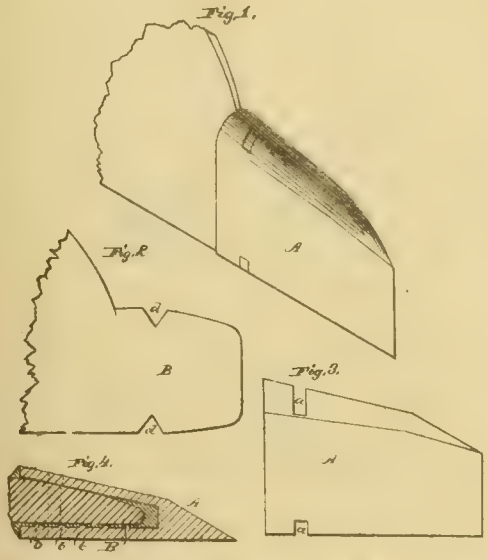
WITNESSES:
James McCrade
John Gosthals

INVENTOR:
R. A. J. Armstrong
BY
Munn & Co.
ATTORNEYS.

W. H. TRISSLER.

PLOW-POINT.

No. 177,973 Patented May 30, 1876.



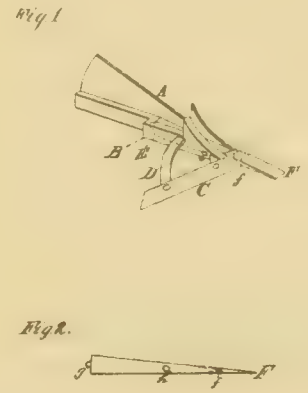
WITNESSES:
Jas. H. Duhamel,
Thomas Byrne.

INVENTOR:
W. H. Trissler
PER
H. T. A. & Co.
ATTORNEY.

J. W. BEVERLY.

PLOW POINT

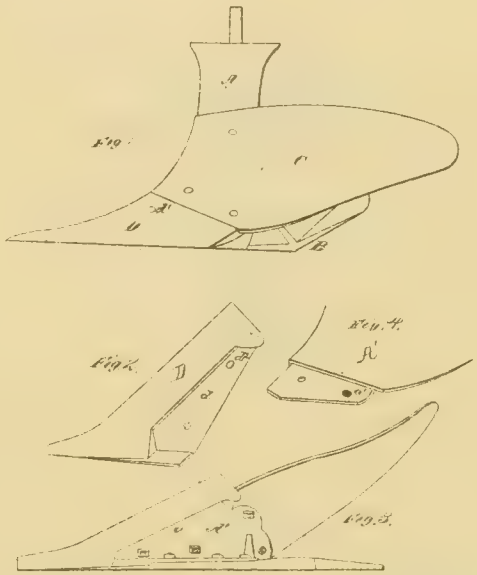
No. 182,634. Patented Sept. 26, 1876.



WITNESSES
Robert Crosby
George E. Upshaw

INVENTOR.
John W. Beverly
Gilmore Smith & Co.
ATTORNEYS

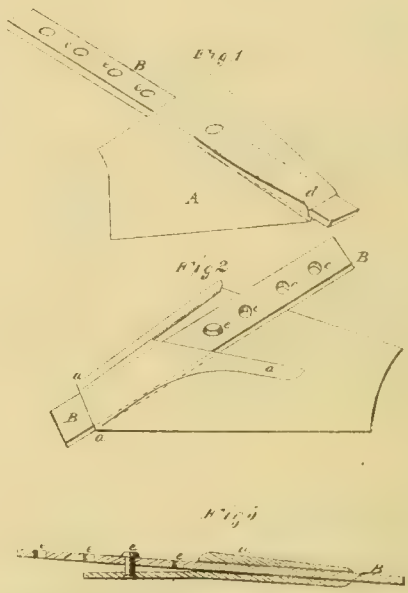
J. R. BUCHER.
PLOWS.
No. 183,122. Patented Oct. 10. 1876.



WITNESSES
E. F. Brake
John H. Ackley

INVENTOR
John R. Bucher
Gifford, Fenwick & Co.
ATTORNEYS.

W. H. COOK.
PLOW-POINT
No. 183,907. Patented Oct. 31 1876.

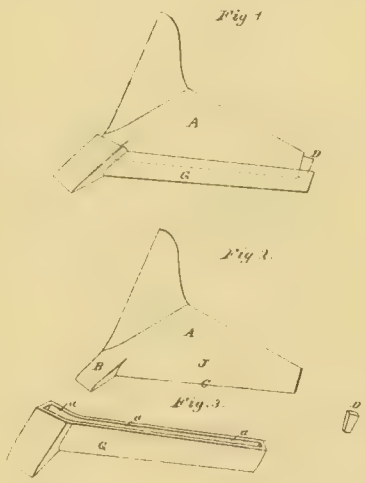


WITNESSES
Franck L. Durand
C. L. Ewert

INVENTOR
Wm. H. Cook
By Alexander Mason

2 Sheets—Sheet 1.

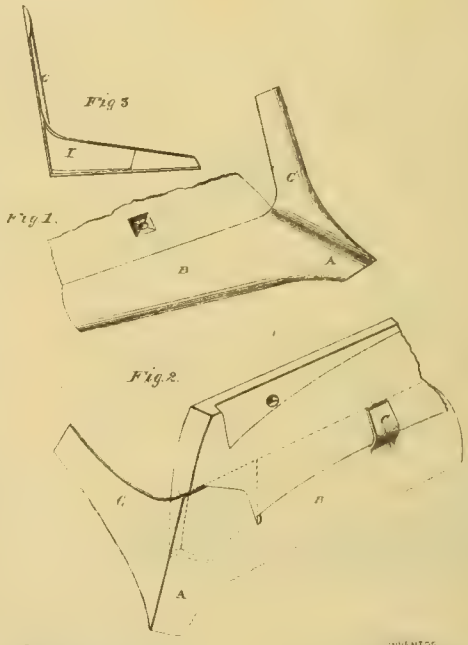
W. A. CONAWAY.
PLOW-POINT.
No. 186,803. Patented Jan. 30, 1877.



WITNESSES
Henry N. Mills
C. L. Ewert

INVENTOR
Wm. A. Conaway
Alexander Mason
ATTORNEYS

A. L. McINTYRE.
PLOW-POINT.
No. 187,659. Patented Feb. 20 1877.



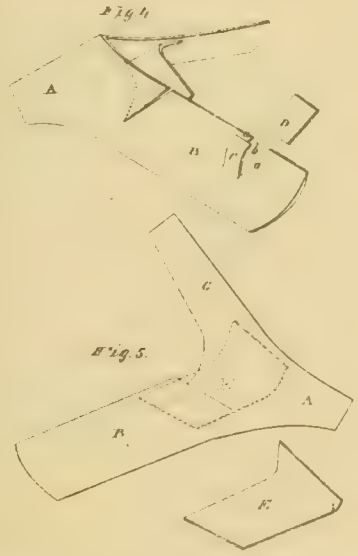
WITNESSES
Franck L. Durand
H. N. Mills

INVENTOR
Anson G. McIntyre
Alexander Mason
ATTORNEYS

2 Sheets—Sheet 2

A. L. McINTYRE.
PLOW-POINT.

No. 187,658. Patented Feb. 20, 1877

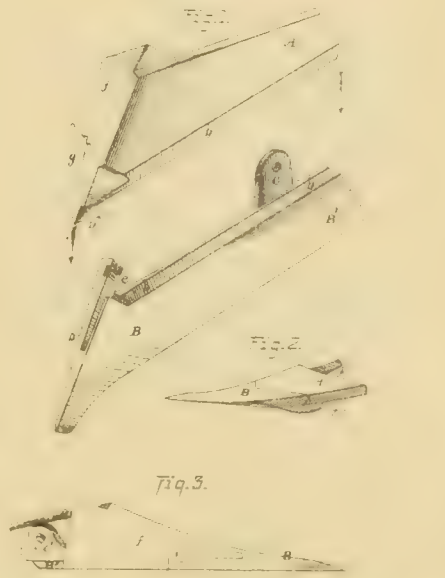


WITNESSES
Franck L. Durand
H. M. Miller

INVENTOR
Anson L. McIntyre
Alexander Hewson
ATTORNEYS.

B. F. CHANDLER.
PLOWS.

No. 193,923. Patented Aug. 7, 1877.

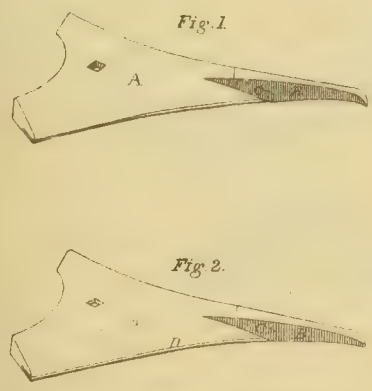


WITNESSES:
Geo. H. Thomson
F. D. Stewart

INVENTOR
B. F. Chandler
Edson Bros.
Attys.

R. SMITH.
PLOW-SHARES.

No. 195,200 Patented Sept. 11, 1877.

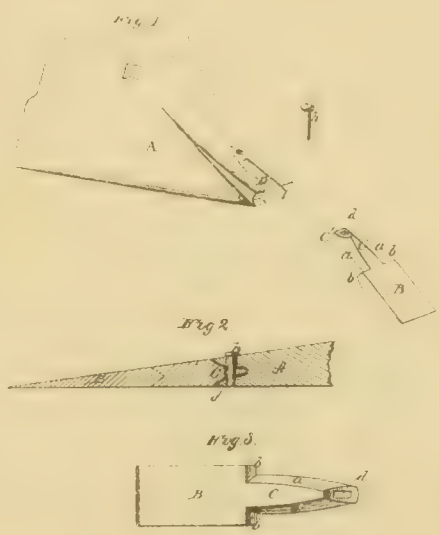


Attest
A. M. Connell
M. H. Singleton

Inventor
Richard Smith
by Blanchard & Singleton
Atts.

C. W. JENKINS.
Reversible Plow-Point.

No. 196,232. Patented Oct. 16, 1877

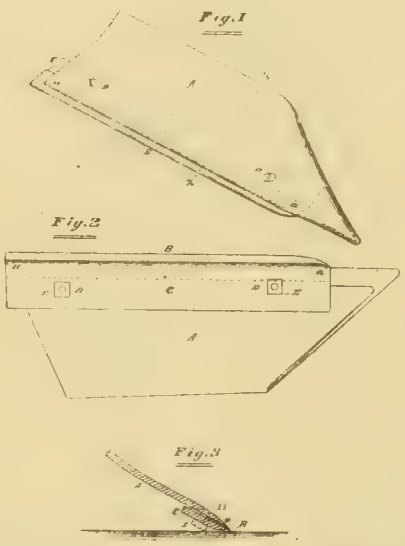


WITNESSES
Franck L. Durand
Wm. K. Gatt

INVENTOR
Charles W. Jenkins
Alexander Hewson
ATTORNEYS

M. TURLEY
Plow

No. 196,774. Patented Nov. 6, 1877

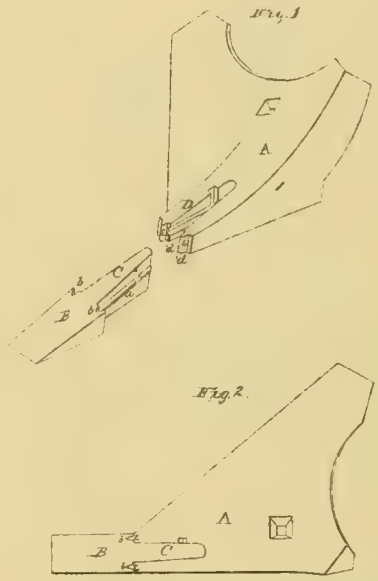


Attest:
O. F. Meadows
Geo. G. Bellows

INVENTOR:
Marshall Turley
By F. F. Warren his
Attorney.

M. M. BOWERS
Reversible Plow-Point

No. 197,086. Patented Nov. 13, 1877.

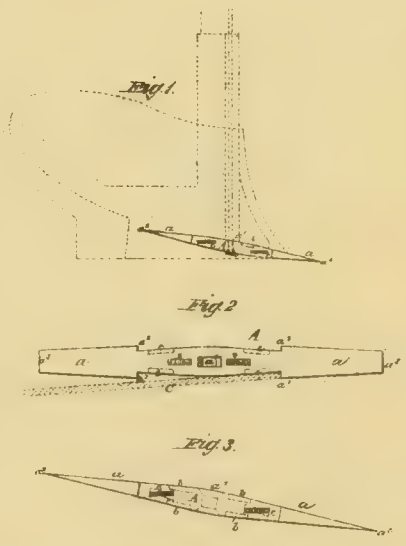


WITNESSES
Franck L. Howard
John C. Schroeder

INVENTOR
Marcus M. Bowers
By Munn & Co.
ATTORNEYS

D. WOLF.
Plow-Point.

No. 203,690. Patented May 14, 1878.

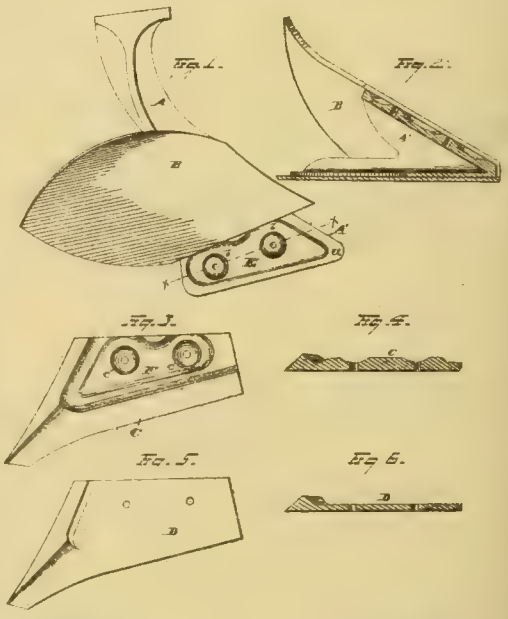


WITNESSES:
Thomas McCreadie
C. Sprague

INVENTOR:
D. Wolf
BY Munn & Co.
ATTORNEYS.

N. P. BOWSHER.
Plow.

No. 205,236. Patented June 25, 1878.

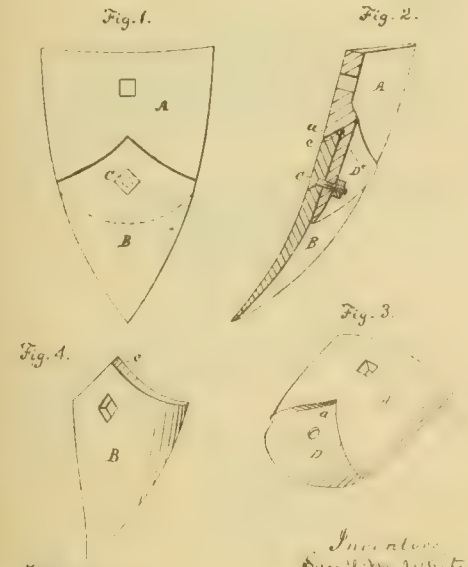


WITNESSES
Ed. S. Hollingshead
Ker. Knight

INVENTOR
N. P. Bowsher
By Dewey & Dewey
ATTORNEYS

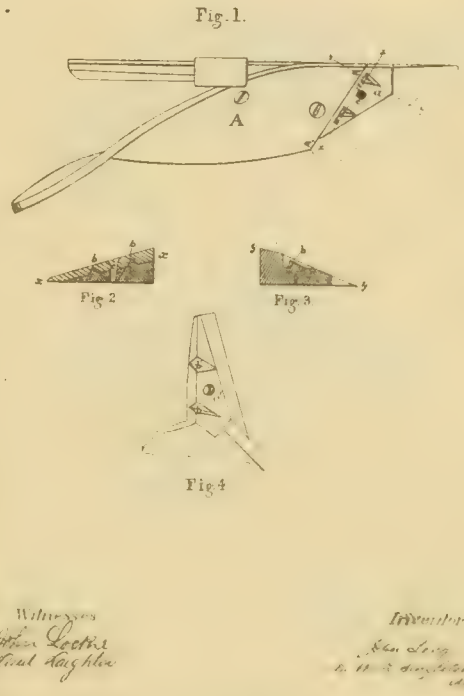
S. M. WHITE & J. A. FRANCIS.
Plow-Point.

No. 206,910. Patented Aug. 13, 1878



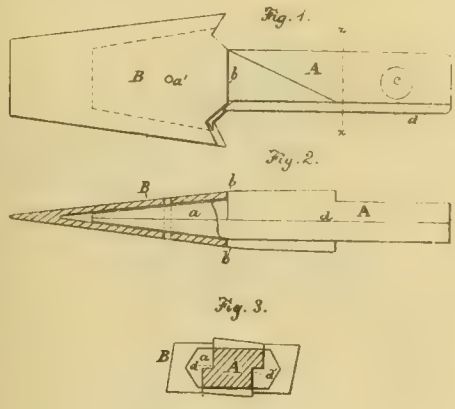
J. LONG.
Plow Share or Point.

No. 207,752. Patented Sept. 3, 1878.



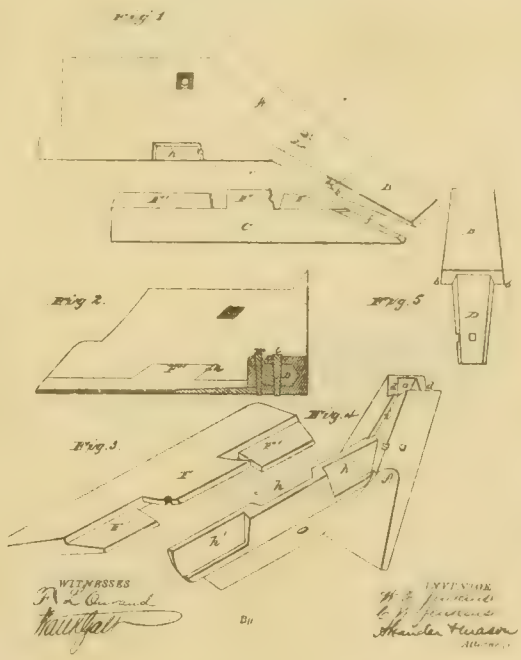
P. KESSLER.
Plow-Point.

No. 209,406. Patented Oct. 29, 1878.



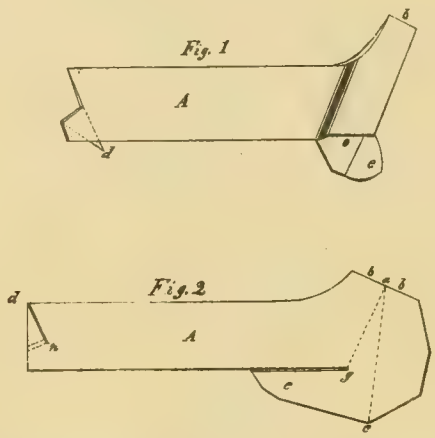
W. F. & C. W. JENKINS.
Plow.

No. 210,203. Patented Nov. 26, 1878.



J. H. BARR.
Plowshare.

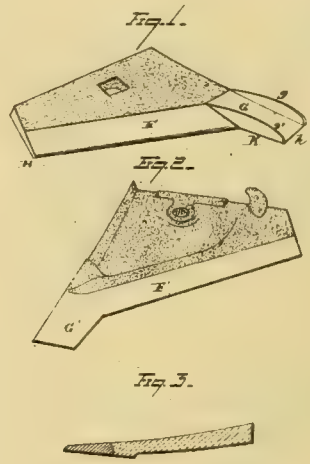
No. 211,689. Patented Jan. 28, 1879.



Witnesses
Inventor
Jacob H. Barr

J. OLIVER.
Chilled Plow-Point.

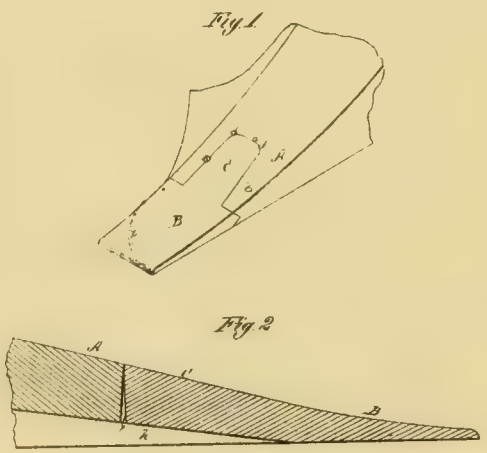
No. 217,898. Patented July 29, 1879.



WITNESSES
INVENTOR
James Oliver.
ATTORNEY.

J. B. BROWN & J. PENTREATH.
Plow-Point.

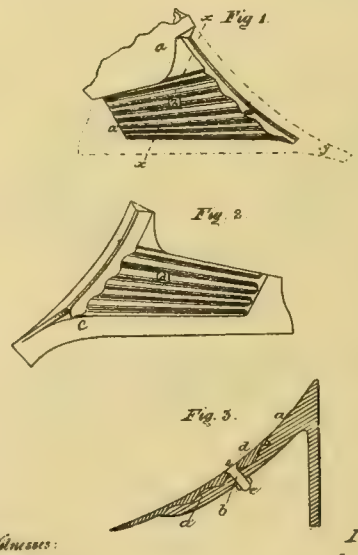
No. 220,270. Patented Oct. 7, 1879.



Witnesses.
Inventors
per
Attorneys.

L. W. HALL.
Plow-Point.

No. 220,373. Patented Oct. 7, 1879.

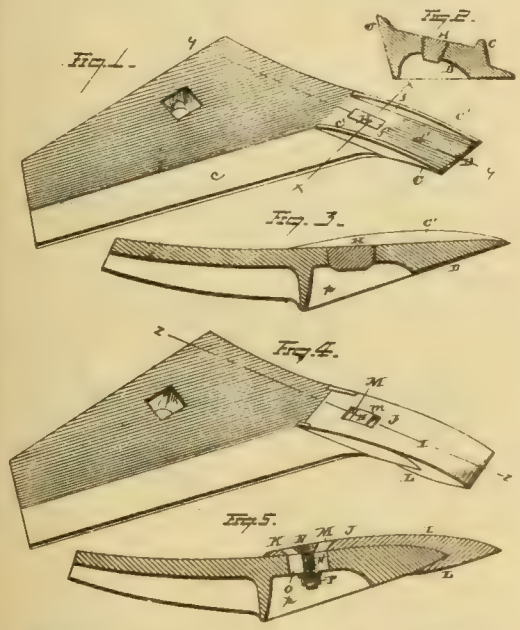


Witnesses:
Inventor:

4 Sheets—Sheet 1.

J. OLIVER.
Plow-Point

No. 220,649. Patented Oct. 14, 1879.



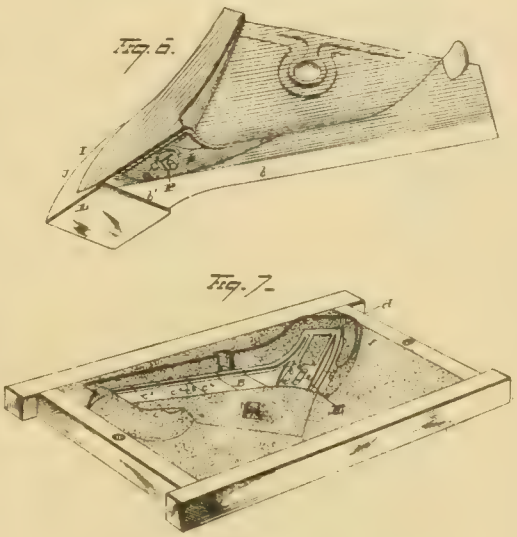
WITNESSES
E. F. Nottingham
A. M. Bright.

INVENTOR
James Oliver.
By H. A. Seymour.
ATTORNEY

4 Sheets—Sheet 2.

J. OLIVER.
Plow-Point.

No. 220,649. Patented Oct. 14, 1879.



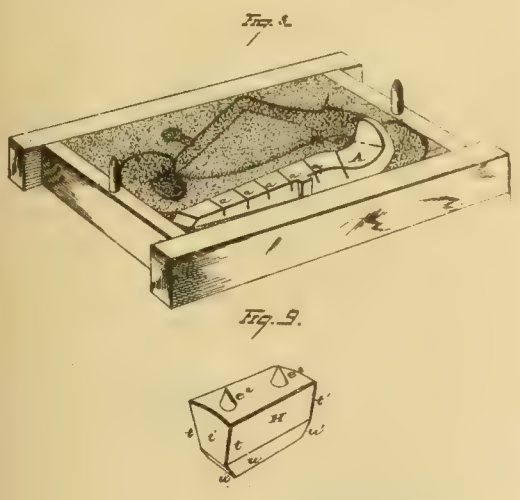
WITNESSES
E. F. Nottingham
A. M. Bright.

INVENTOR
James Oliver.
By H. A. Seymour.
ATTORNEY

4 Sheets—Sheet 3.

J. OLIVER.
Plow-Point.

No. 220,649. Patented Oct. 14, 1879.



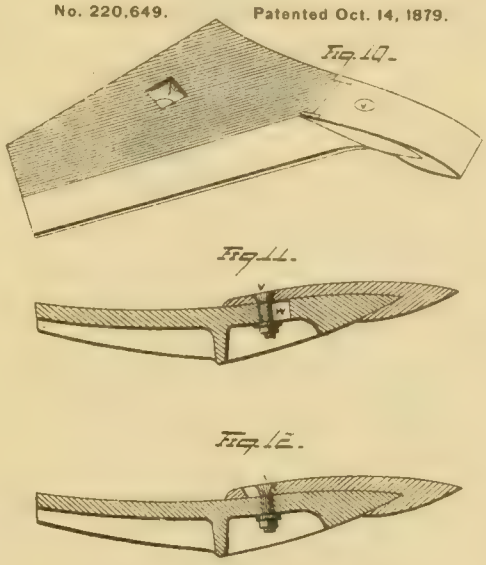
WITNESSES
E. F. Nottingham
A. M. Bright.

INVENTOR
James Oliver.
By H. A. Seymour.
ATTORNEY

4 Sheets—Sheet 4.

J. OLIVER.
Plow-Point.

No. 220,649. Patented Oct. 14, 1879.

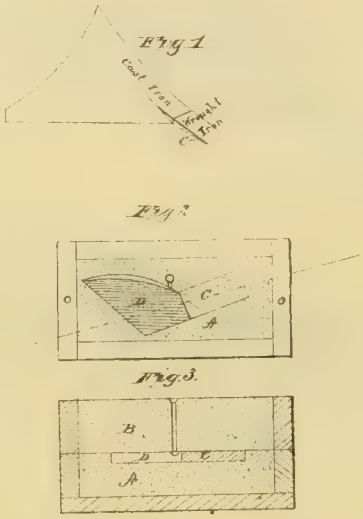


WITNESSES
E. F. Nottingham
A. M. Bright.

INVENTOR
James Oliver.
By H. A. Seymour.
ATTORNEY

J. KILLEFER.
Combined Share and Point.

No. 222,502. Patented Dec. 9, 1879.



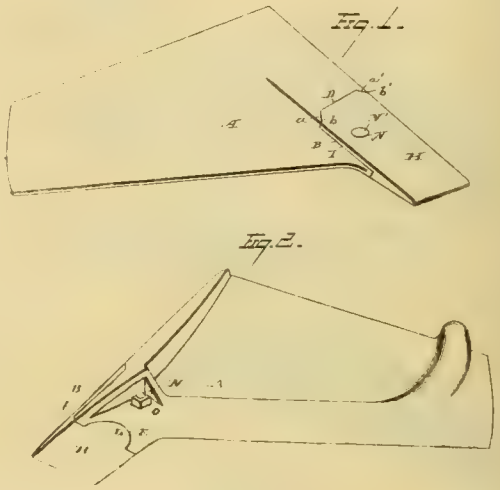
WITNESSES
Frank L. Owens
H. Shelby Fowler

INVENTOR
John Killefer
Alex. H. Robertson
ATTORNEYS

2 Sheets—Sheet 1

J. OLIVER.
Plow-Points.

No. 223,751. Patented Jan. 20, 1880.



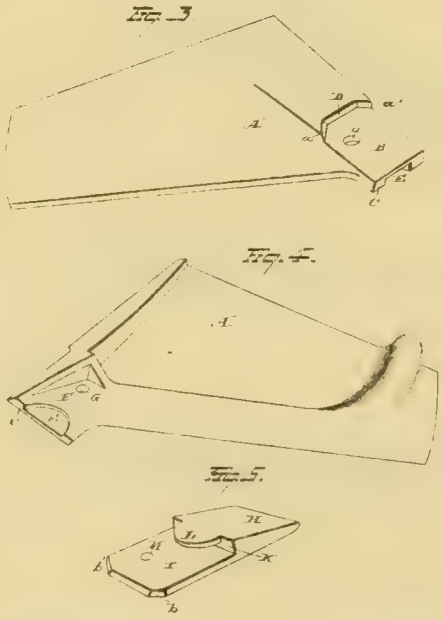
WITNESSES
O. H. Nottingham
A. M. Bright

INVENTOR
James Oliver.
By H. H. Seymour.
ATTORNEY

2 Sheets—Sheet 2.

J. OLIVER.
Plow-Points.

No. 223,751. Patented Jan. 20, 1880.

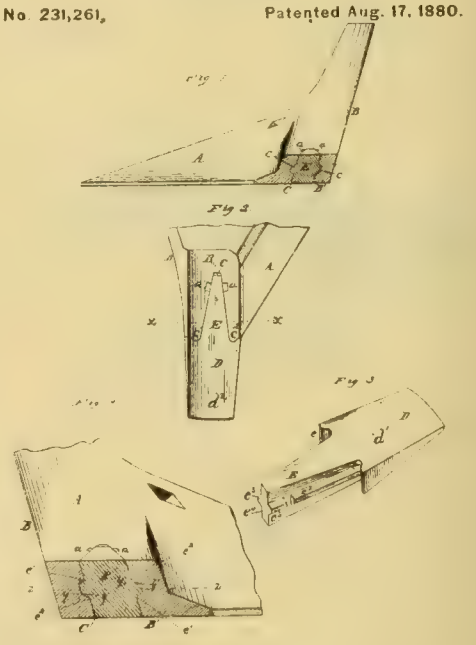


WITNESSES
O. H. Nottingham
A. M. Bright

INVENTOR
James Oliver.
By H. H. Seymour.
ATTORNEY

M. M. BOWERS.
Detachable Plow Point.

No. 231,261. Patented Aug. 17, 1880.



Witnesses
N. A. Tow
J. Hammond Marshall

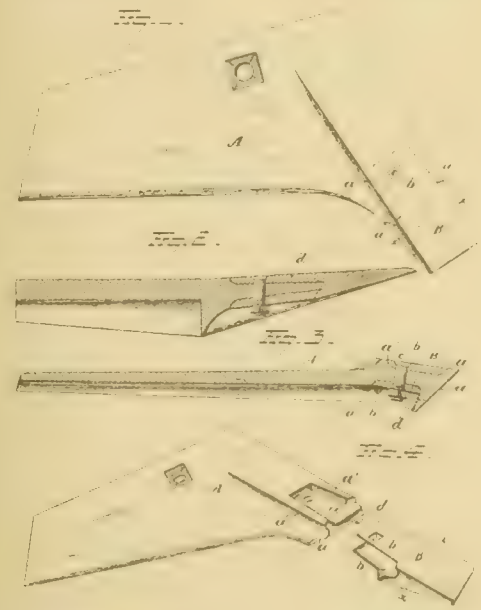
Inventor:
Marcus M. Bowers
By H. H. Doubleday Att'y

(Model.)

C. ANDERSON & J. OLIVER.

Slip-Nose Attachment for Plows

No. 239,135. Patented March 22, 1881.



WITNESSES

E. H. Nottingham

Wm. A. Lawrence

INVENTORS

Charles Anderson,

James Oliver.

By H. A. Seymour.

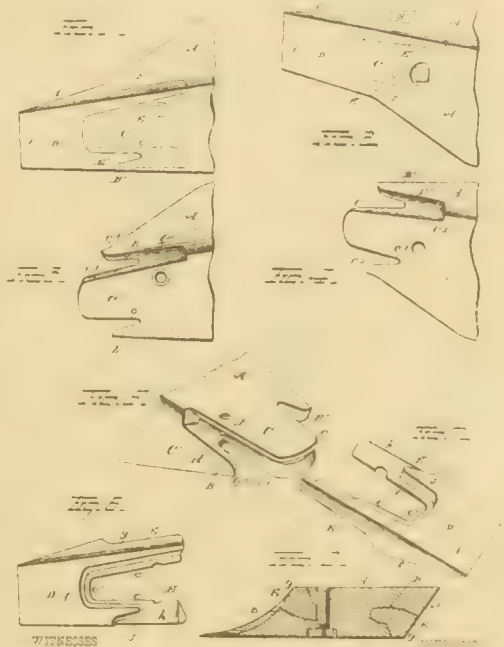
ATTORNEY

(No Model.)

C. ANDERSON

PLOW POINT

No. 247,148. Patented Sept. 20, 1881.



WITNESSES

E. H. Nottingham

Benjamin Morton

Charles Anderson

By H. A. Seymon

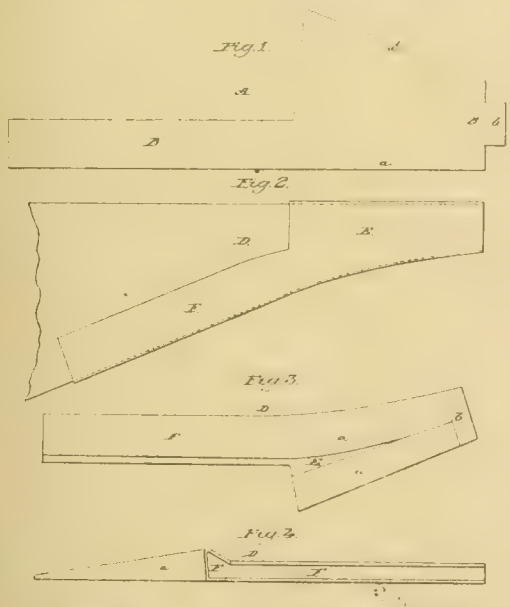
ATTORNEY

(Model.)

R. C. TUCKER

PLOW POINT.

No. 247,439. Patented Sept. 20, 1881



WITNESSES

John A. Ellis

Philip Billassi

INVENTOR

Richard C. Tucker

by Anderson & Smith

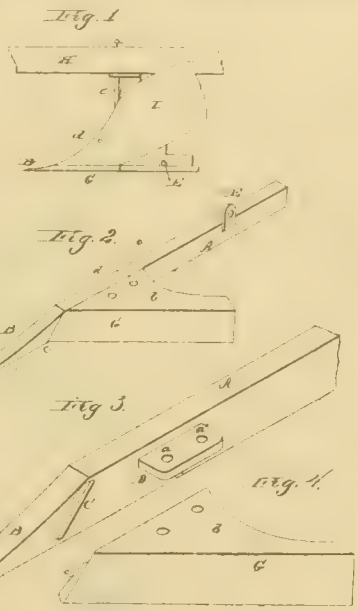
his ATTORNEYS

(Model.)

C. YEISER.

PLOWSHARE.

No. 257,807. Patented May 9, 1882.



Witnesses:

H. C. McArthur

N. C. Keyworth

per

Inventor:

Cyrus Yeiser

W. Alexander

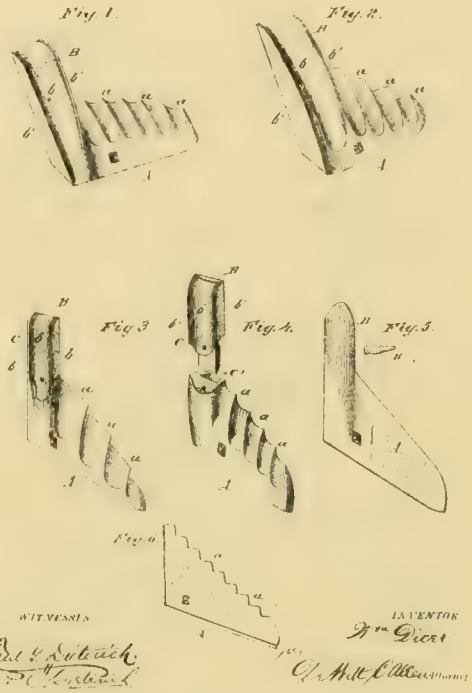
Attorney.

(No Model.)

W. DICER.

PLOW SHARE AND POINT.

No. 261,836. Patented Aug. 1, 1882.

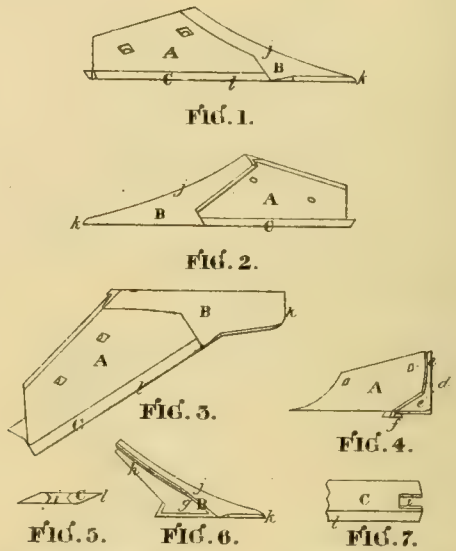


(No Model.)

W. F. CAMERON.

PLOW POINT.

No. 262,927. Patented Aug. 22, 1882.



WITNESSES:

Chas. H. Kimball

George W. Carter

INVENTOR:

Wilmot F. Cameron

By Clifford & Clifford

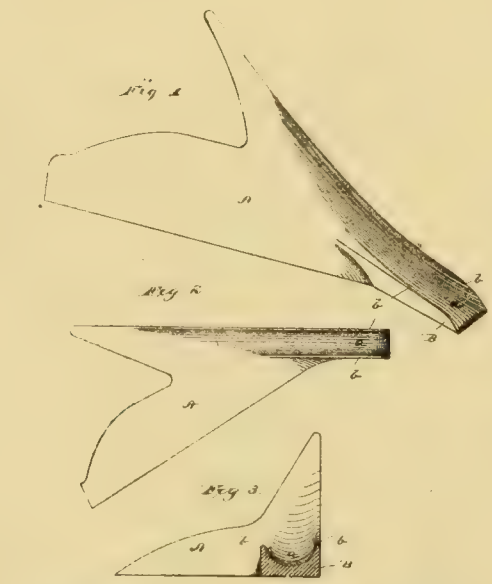
Atts.

(Model.)

W. J. TURNER.

PLOW POINT.

No. 266,927. Patented Oct. 31, 1882.



Witnesses

Edwin L. Yewell

H. Aubrey Toulmin

Inventor

William J. Turner

By C. M. Alexander

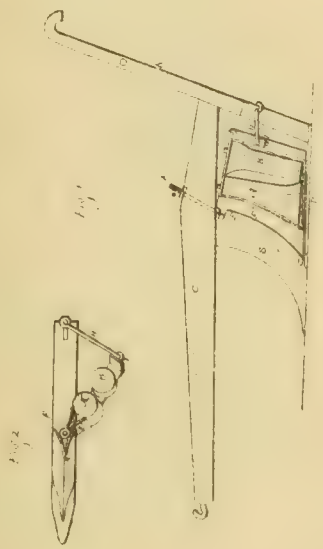
Atty.

	Plate	Claim
Blanchard, J.	729	472
Briggs, H.	726	470
Burdin, L. E.	723	469
Cameron, W. F.	733	474
Carry, F. F.	725	470
Cedarland, S. N.	730	472
Chapman, A. B.	724	470
Dahlman, C. O.	734	474
Decker, P. H.	729	472
Dyer, I. T.	728	471
" " " (R)	728	471
Dyer, C. V.	730	472
Estes, W. A.	729	472
Estes, W. A.	730	472
Estes, W. A.	732	473
Estes, W. A.	733	473
Estes, W. A.	733	474
Foley, D. D.	724	470
Frye, J.	722	469
Godfrey, J. S.	726	471
Godfrey, J. S.	727	471
Godfrey, J. S.	727	471
Godfrey, J. S.	728	471
Godfrey, J. S.	728	472
Godfrey, J. S.	729	472
Green, L.	723	469
Harrington, W. W. and Merrill, A. B.	732	473
Hoyt, B. C.	721	469
" " (A. I.)	721	469
Jefferson, T. E.	731	473
Johnson, R.	724	469
Johnson, F.	731	473
Kennedy, I.	725	470
Martin, H. D.	724	469
Noble, W.	726	471
Norton, H. L.	721	469
Page, G.	721	469
Palmer, N.	731	473
Palmer, N.	731	473
Pettit, J. P.	723	469
Pratt, C. A.	732	473
Quick, J. A.	725	470
Reynolds, S. G.	730	472
Roberts, M. L.	725	470
Skinner, W. W.	722	469
Stanley, H.	722	469
Strait, R. E.	727	471
Swartz, R. E.	732	473
West, W. B.	727	471
Wing, G. A.	726	471

H. L. Moulton.

Revolving Mold-board.

No. 27784. Patented Sept. 25, 1860.

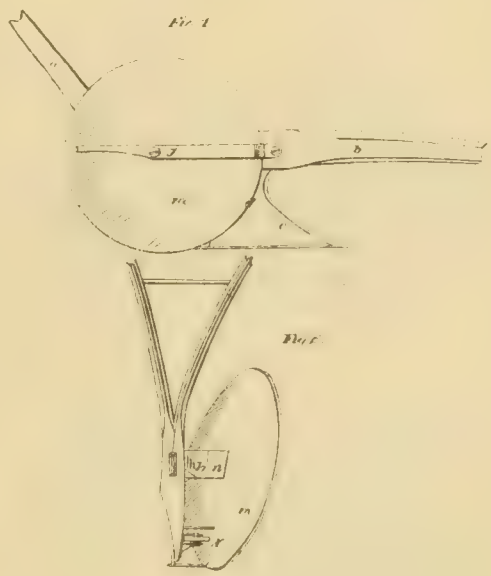


W. P. Elliot

G. PAGE

Revolving Moldboard

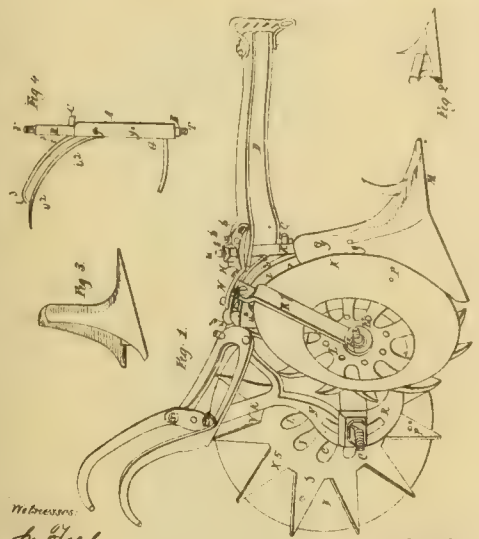
No. 5,218 Patented Aug. 7, 1847



E. C. Hoyt.

Revolving Mold-board.

No. 16,654 Patented Sept. 2, 1856.



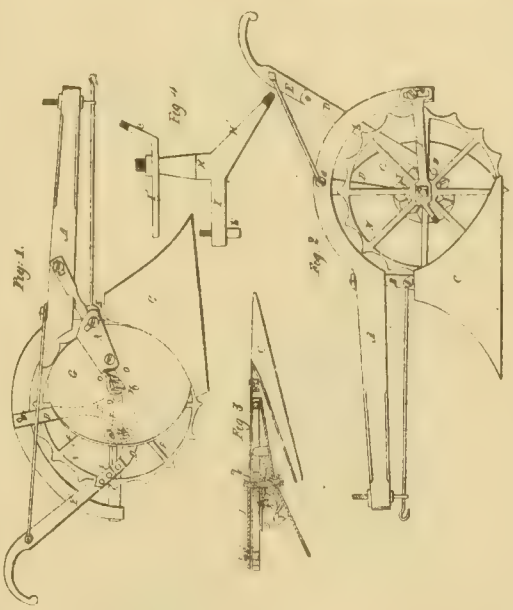
Witnesses.
J. Seed
Henry Seed

Inventor.
E. C. Hoyt

E. C. Hoyt.

Revolving Mold-board.

No. 18,184 Patented Sept. 15, 1858.

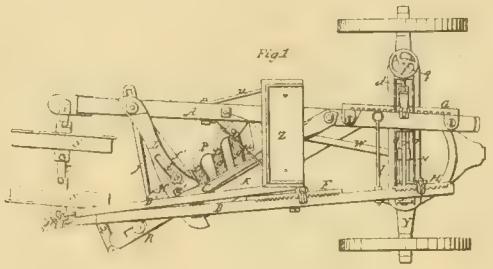


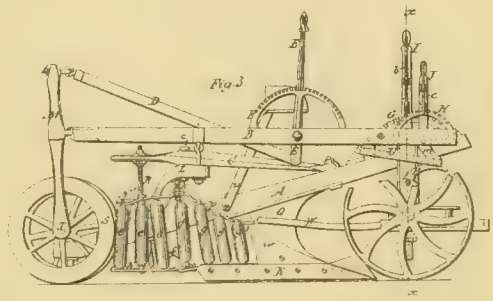
2 Sheets—Sheet 1

J. FRYE.

Wheel-Plow.

No. 16,913 Patented Mar 31, 1857



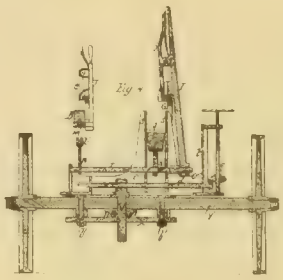


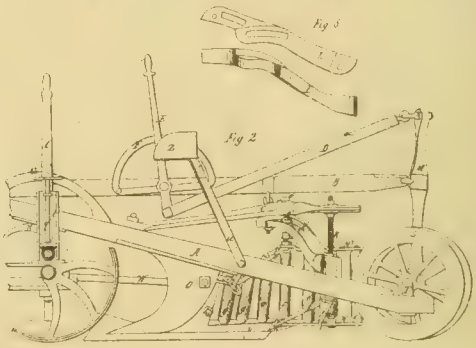
Sheet 2 2 Sheets

J. Frye

Wheel Plow

No 16,913. Patented Mar 31, 1857

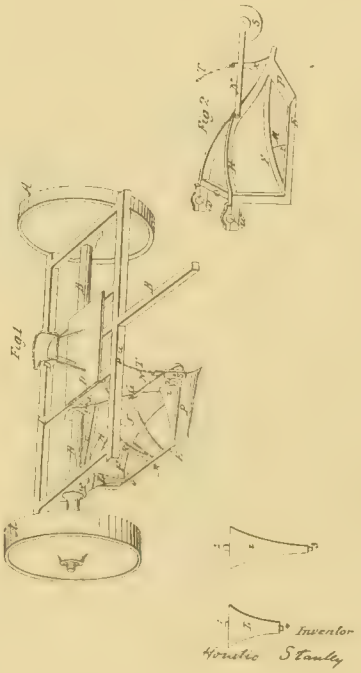




H. STANLEY.

Revolving Moldboard.

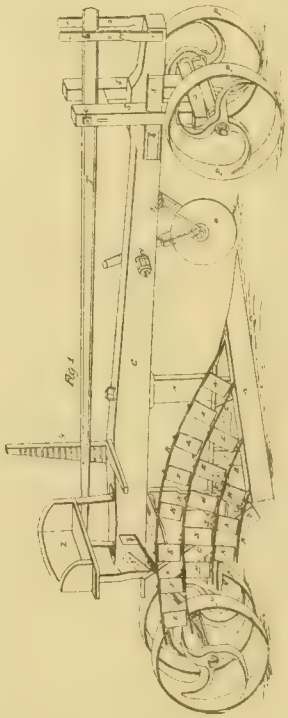
No. 18,609. Patented Nov. 10, 1857.



W. W. Skinner. Sheet 2 Sheets

Revolving Moldboard

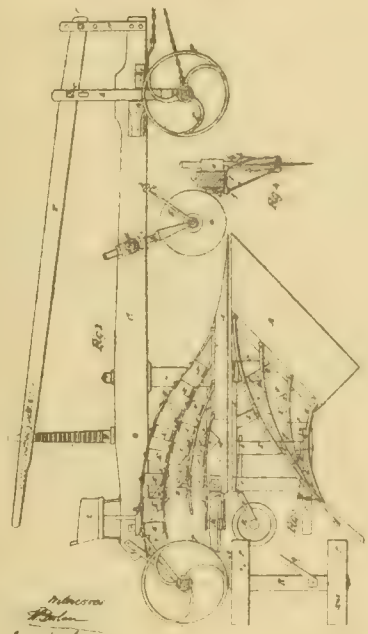
No 18,776 Patented Dec 1, 1857



W. W. Skinner

Revolving Mold Board

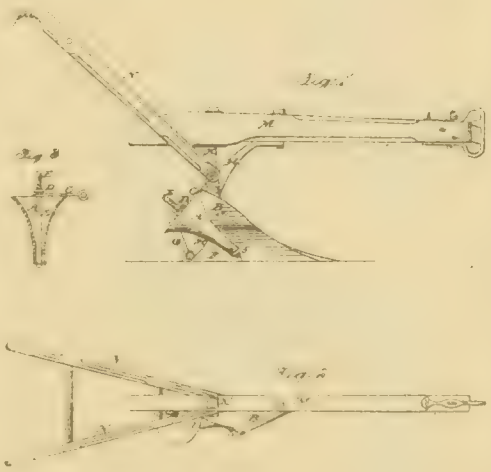
No. 18,776 Patented Dec. 1, 1857



L. E. BURDIN

Revolving Moldboard

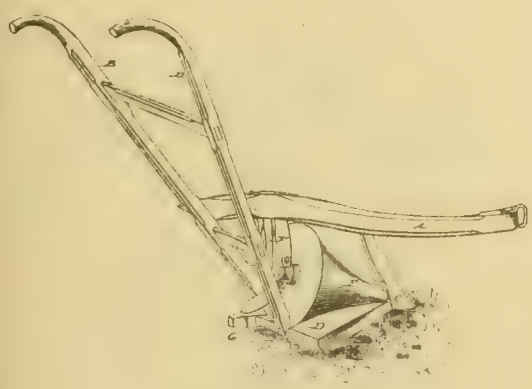
No. 24,536 Patented June 28, 1859



J. P. PETTIT.

Revolving Moldboard.

No. 30,756 Patented Nov. 27, 1860



L. GREEN

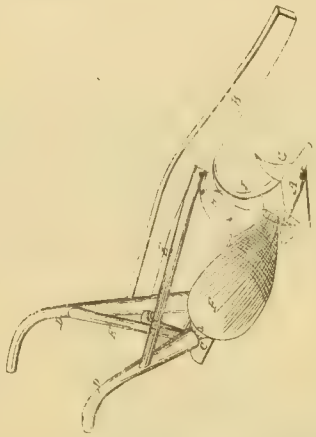
Revolving Moldboard

No. 708. / 31,712 Patented Mar. 19, 1861

H. D. Martin.

Plow.

No. 2,252. 33,250 Patented Sept. 10, 186



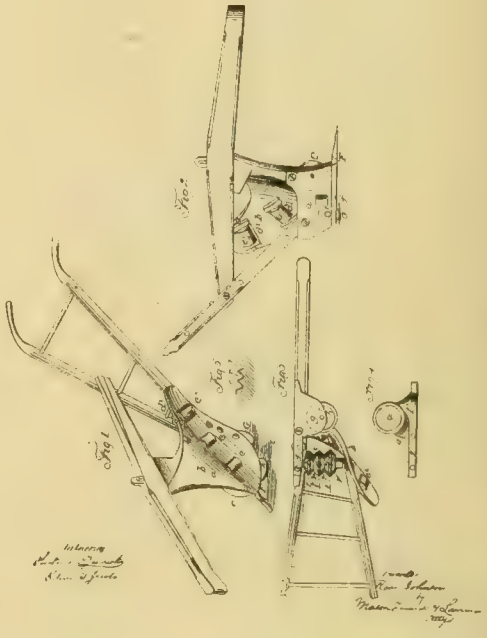
Witnesses.

Inventor.

R. JOHNSON.

Plow Moldboard

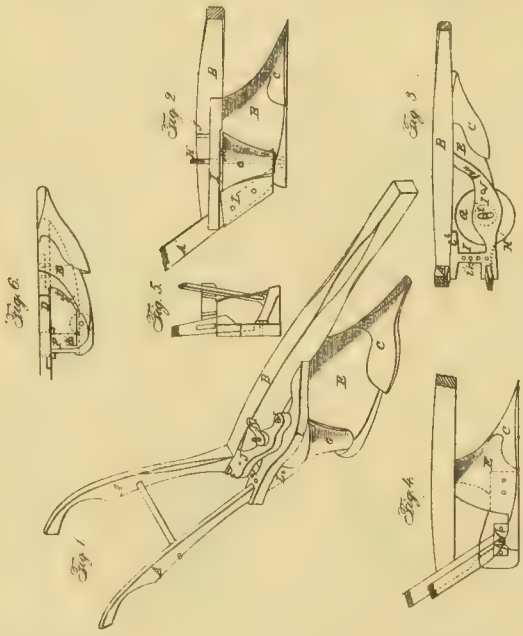
No. 35,098 Patented Apr. 29, 1862



A. B. CHAPMAN.

Revolving Moldboard.

No. 10,733. Patented Dec. 1, 1868



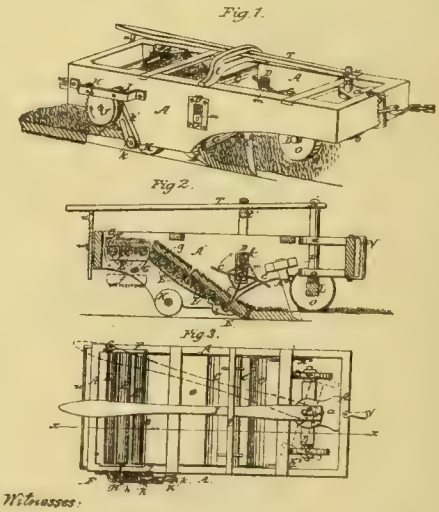
Witnesses:

Inventor.

D. D. FOLEY.

Plow.

No. 41,371. Patented Jan. 26, 1864



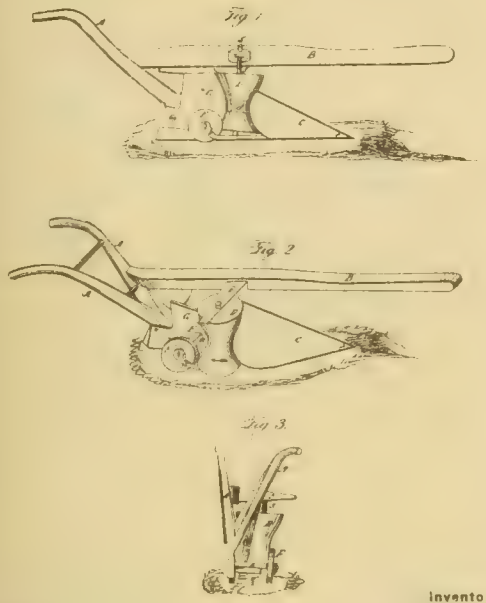
Witnesses:

Inventor

F. F. CARY.

Revolving Moldboard.

No. 42,631 Patented May 3, 1864



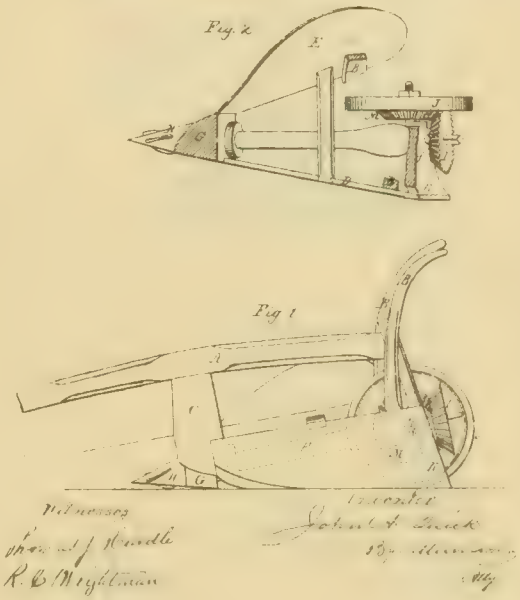
Witnesses.

Inventor.

J. A. Quinn

Plow.

No. 58,177. Patent. Aug. 18, 1866.



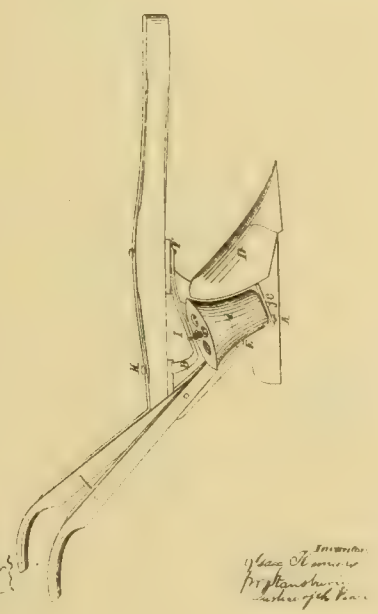
Witnesses

Inventor

I. KENNEDY.

Revolving Moldboard.

No. 58,131 Patented Oct. 2, 1866.



Witnesses

Inventor

M. L. ROBERTS.

Revolving Moldboard.

No 62,367 Patented Feb. 26, 1867.

Witnesses.

Inventor.

Harvey Briggs' Plow.

71966

PATENTED
DEC 10 1867

Fig 1

Fig. 2.

Witnesses.
Thos Grisby
J. Allen Jones

Inventor
H. Briggs
Per Munn & Co
Attorneys

J. S. GODFREY.
Plow Moldboard.

No. 77,184. Patented April 28, 1868.

Witnesses:
H. H. Annamann
John Mercer

Inventor:
Joseph S. Godfrey
Per his Atty
Thos. T. Sprague

G. A. WING.
Plow.

No. 86,615. Patented Feb. 2, 1869.

Fig 4

Fig. 2.

Fig. 3

Fig 1

Witnesses
R. B. Wing
Thos. Crompton

Inventor
George A. Wing

W. Noble.
Plow.

No. 92,992. Patented July 27, 1869.

Fig. 1.

Fig. 2.

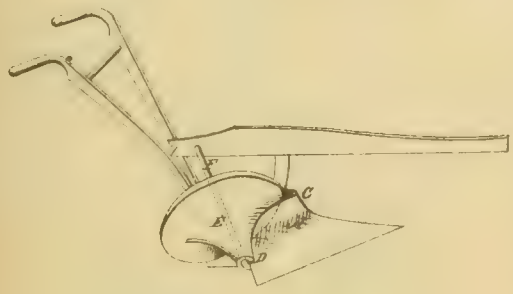
Witnesses
J. B. Shumway
A. J. Tibbits

William Noble
Inventor
By his Attorney
John E. Earl

W. B. West.

Plow.

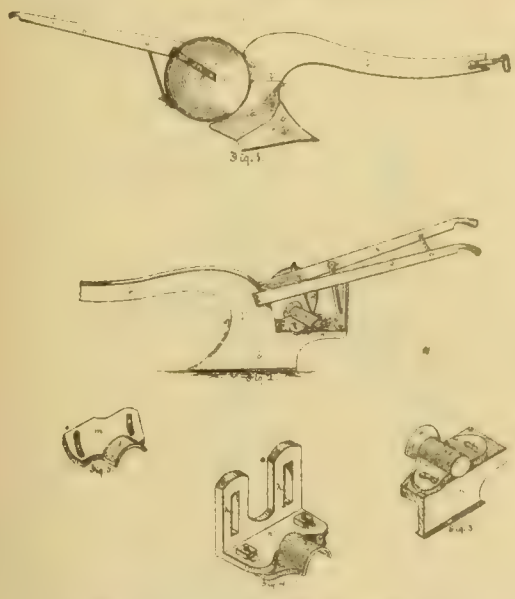
No. 95,960. Patented Oct 19, 1869.



Witnesses
C. Kinchman
Ina F. Brooks

Inventor
W. B. West.
per Munn & Co
Attys

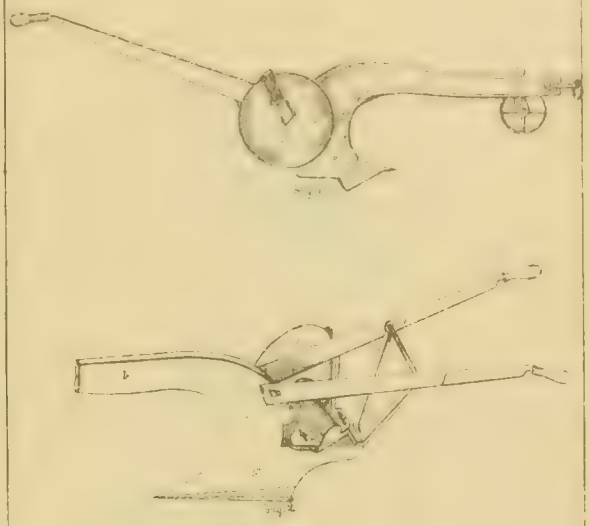
J. S. CODFREY.
Plow
No. 101,256 Patented March 29, 1870



Witnesses:
R. C. Brownlee
Rich Mann

Inventor:
Joseph S. Godfrey
by Bakewell & Christy,
his Attys.

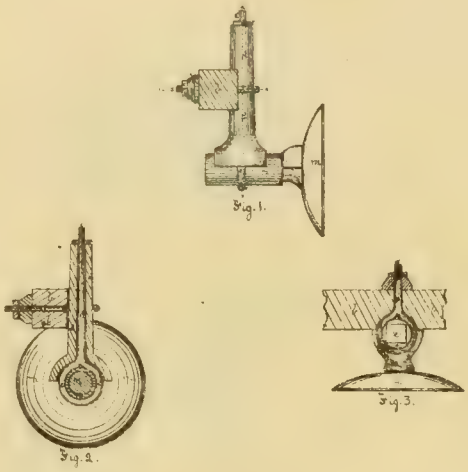
J. S. GODFREY
Moldboard for Plow.
No. 105,446. Patented July 19, 1870



Witnesses:

Inventor:

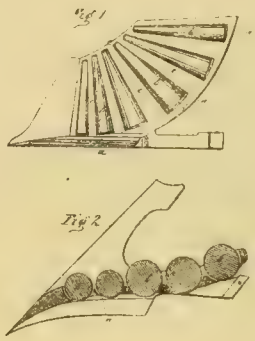
J. S. Godfrey,
Mold Board.
No. 112,333. Patented Mar. 7, 1871



Witnesses:
R. H. Townsend
P. Blair

Inventor:
Joseph S. Godfrey,
by Bakewell & Christy
his Attys.

I. T. Dyer,
Plow Mold Board
No. 113,642. Patented Apr. 11, 1871.



Witnesses
H. J. Treat
C. O. Brown

Isaac T. Dyer Inventor
by Geo. E. Brown
his Attorney

I. T. DYER.
Mold-Boards for Plows.
No. 5 848 Reissued April 28, 1874

Fig. 1

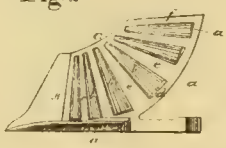
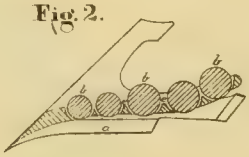


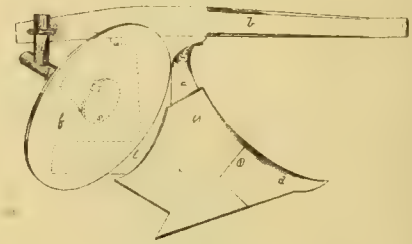
Fig. 2.



Attest.
W. E. Hall
P. L. Thomas

Inventor.
Isaac T. Dyer
By C. L. Chesley
Atty.

J. S. Godfrey,
Revolving Mold Board.
No. 113,760. Patented Apr. 18, 1871.



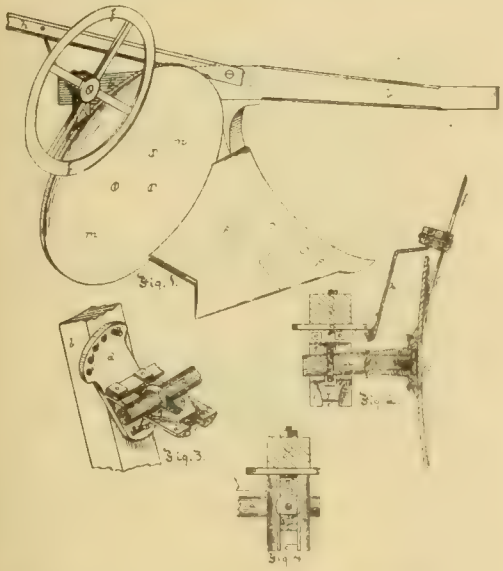
Witnesses:
R. H. Townsend
James D. Kay

Inventor:
Joseph S. Godfrey,
by Bakewell, Christy & Hart,
his Attys

J. S. GODFREY.

Attachment of Revolving Mold-Board for Plows.

No. 114,002. Patented April 25, 1871.



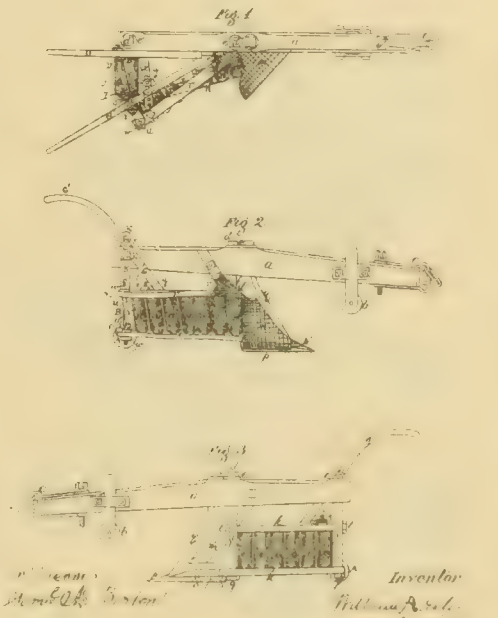
Witnesses:
R. Ottendorf
James S. Kay

Inventor:
Joseph S. Godfrey
by Bakewell, Christy & Kier
his Attys.

W. A. ESTES.

Plows.

No. 143,279. Patented September 30, 1873.

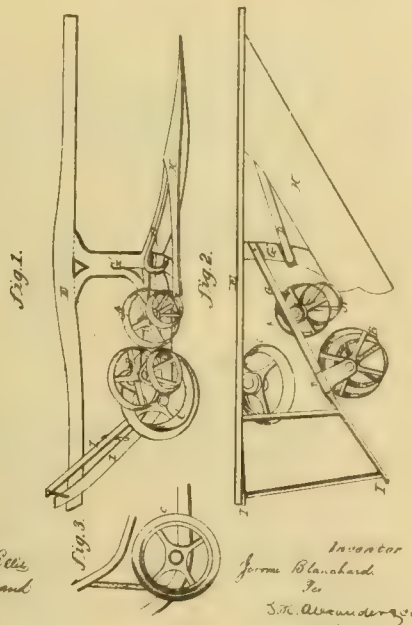


Inventor
William A. Estes
by his Atty.
Bakewell & Wright

J. BLANCHARD.

Plows.

No. 144,433. Patented Nov. 11. 1873



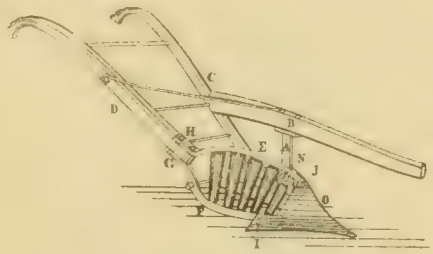
Witnesses
John A. Ellis
F. L. Durand

Inventor
Jerome Blanchard
per
J. H. Alexander
Att'y

P. H. DECKER.

Plows.

No. 156,283. Patented Oct. 27. 1874.



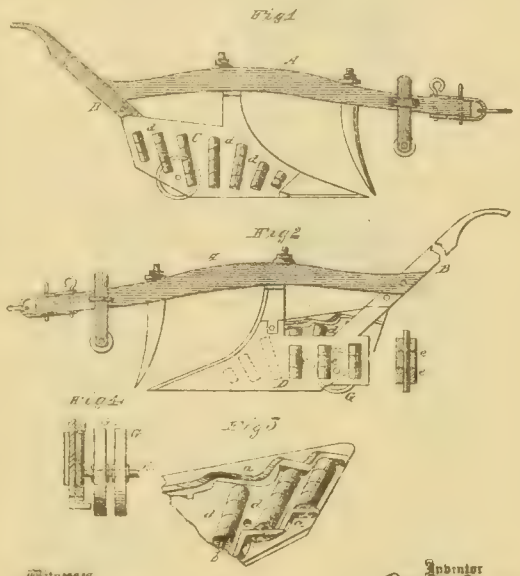
Attest:
J. H. Ellis
J. N. Barker

Inventor:
Phillip H. Decker
Per G. L. Chapin
Atty.

W. A. ESTES.

PLOW.

No. 171,785. Patented Jan. 4, 1876.



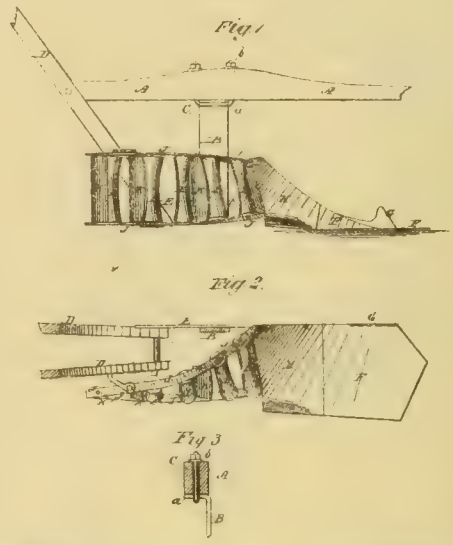
Witnesses
C. H. Watson
Wm. Kleinpeman

Inventor
Wm. A. Estes
per C. H. Watson & Co. Attorneys

S. N. CEDARLAND.

PLOWS

No. 181,640. Patented Aug. 29, 1876.



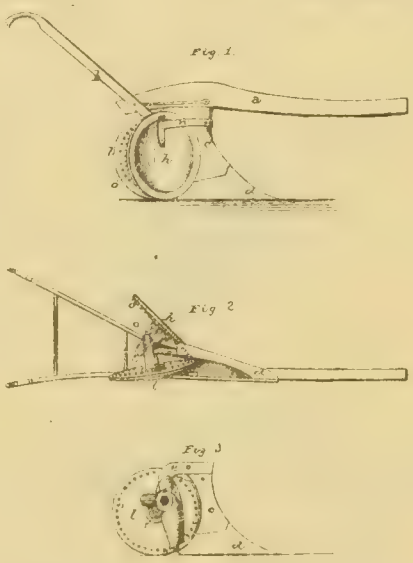
WITNESSES:
John Goetchals
Alex F. Roberts

INVENTOR:
S. N. Cedarland
BY
Munn & Co.
ATTORNEYS.

S. G. REYNOLDS.

PLOWS.

No. 190,904. Patented May 15, 1877.



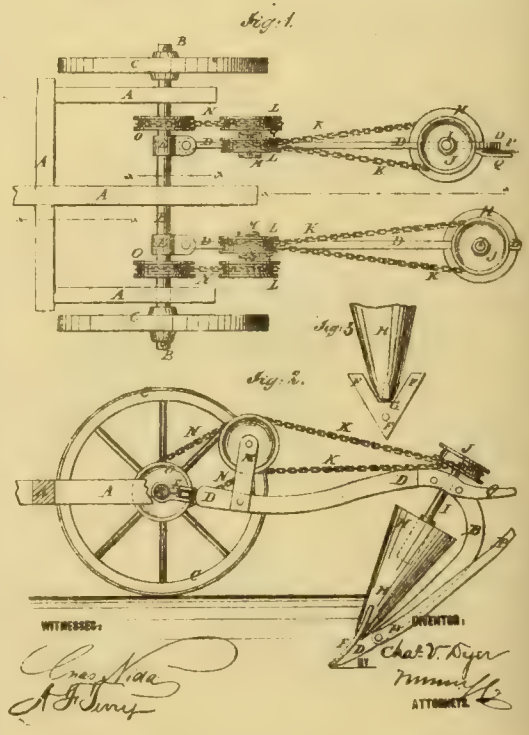
WITNESSES
J. M. Gummer
Chas. J. Joyce

INVENTOR.
S. G. Reynolds
per
F. A. Lehmann Atty

C. V. DYER.

REVOLVING CONICAL MOLDBOARD.

No. 191,036. Patented May 22, 1877

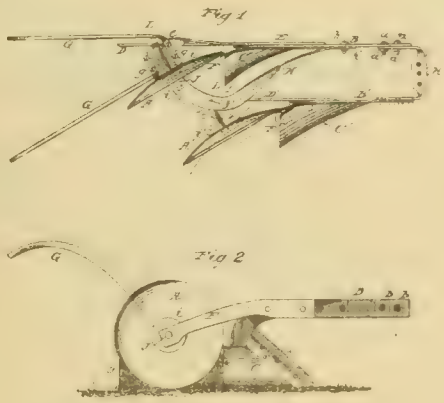


WITNESSES:
Chas. Nida
A. F. Jung

INVENTOR:
Chas. V. Dyer
BY
Munn & Co.
ATTORNEYS.

N. PALMER.
Rotary Mold-Board Plow.

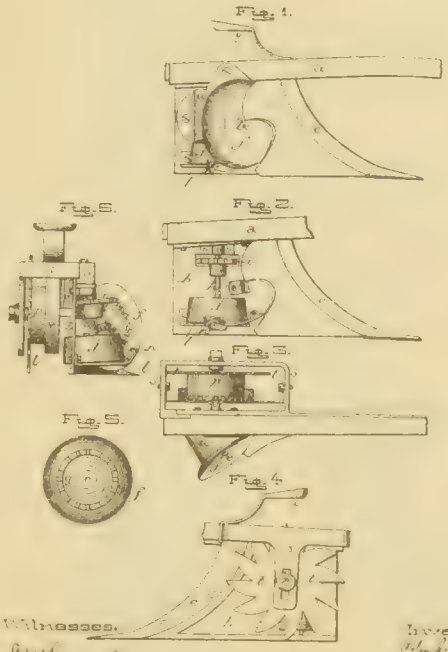
No. 205,498. Patented July 2, 1878.



Witnesses:
Inventor
Nelson Palmer

F. JOHNSON.
Plow.

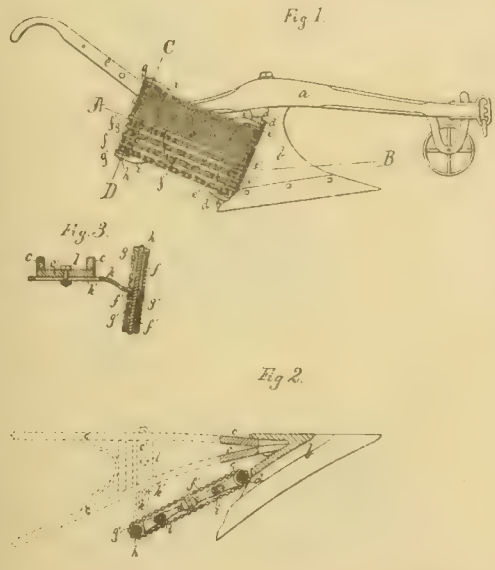
No. 206,880. Patented Aug. 13, 1878.



Witnesses.
Inventor

T. E. JEFFERSON.
Plow.

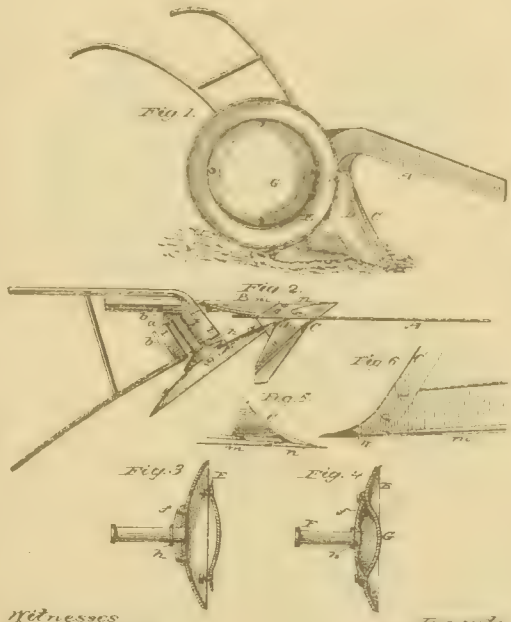
No. 210,201. Patented Nov. 26, 1878.



Witnesses:
Inventor:
Thomas E. Jefferson
by Alex Gudrie
Att'y

N. PALMER.
Rotary-Moldboard Plow.

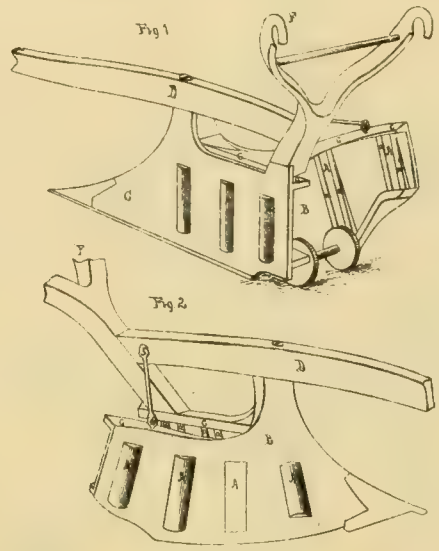
No. 211,638. Patented Jan. 28, 1879



Witnesses
Inventor
Nelson Palmer
by Dewitt C. Allen
Attorney

W. A. ESTES.
Plow.

No. 212,205. Patented Feb. 11, 1879.

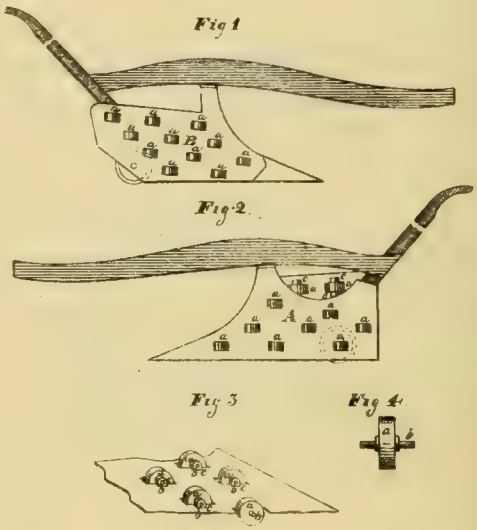


Witnesses
Wm. Brown
A. P. Ockington

Inventor
William A. Estes
By David Hall Rice
His Atty

W. H. HARRINGTON & A. B. MERRILL.
Plow.

No. 216,271. Patented June 10, 1879.

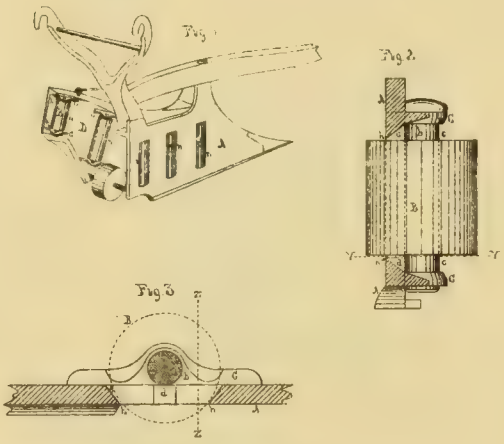


WITNESSES
Edw. Dimmer
Frederic H. Lane

INVENTORS
William H. Harrington
Alonzo B. Merrill

C. A. PRATT.
Plow.

No. 222,075. Patented Nov. 25, 1879.



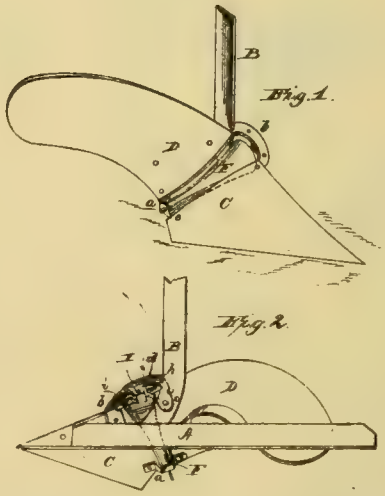
Witnesses
Wm. Brown
N. P. Ockington

Inventor
C. A. Pratt
by Dwight Pratt
Atty

(No Model.)

R. E. SWARTZ.
Plow-Share.

No. 228,138. Patented May 25, 1880.



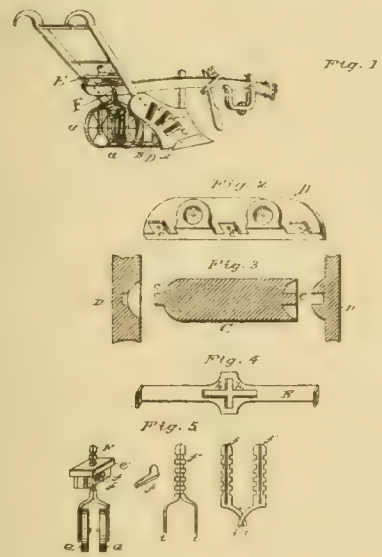
Witnesses:
Benet L. Durand
H. Aubrey Fowler

Inventor
R. E. Swartz
By Alexander Mason
Atty

(No Model.)

W. A. ESTES.
Plow.

No. 230,623. Patented Aug. 3, 1880.



Witnesses
F. S. Eastman
C. L. Eastman

Inventor
William A. Estes
per Hubert M. Schenck
his Attorney

(No Model.) 2 Sheets—Sheet 1

W. F. CAMERON
Plow

No. 237,812. Patented Feb. 15, 1881.

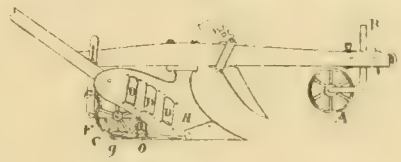


FIG. 1

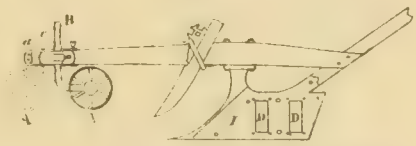


FIG. 2.

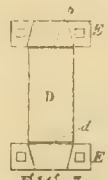


FIG. 3.

FIG. 4.

WITNESSES:
Chas. H. Kingsbell
Wm. J. Goodwin

INVENTOR:
Wilmot F. Cameron
by his Atty.
H. M. Schenck

(No Model.) 2 Sheets—Sheet 2

W. F. CAMERON.
Plow.

No. 237,812. Patented Feb. 15, 1881.

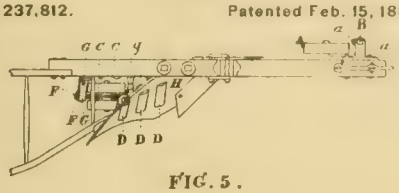


FIG. 5.

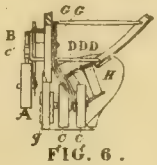


FIG. 6.

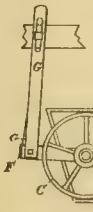


FIG. 7.

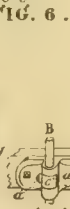


FIG. 9.

FIG. 8.

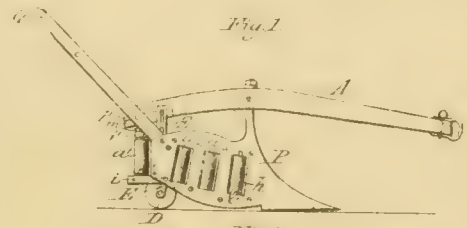
WITNESSES:
Chas. H. Kingsbell.
Wm. J. Goodwin.

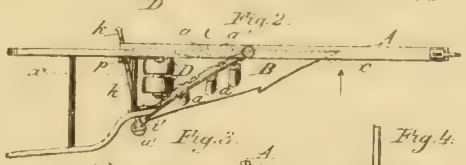
INVENTOR:
Wilmot F. Cameron
by his Atty.
H. M. Schenck.

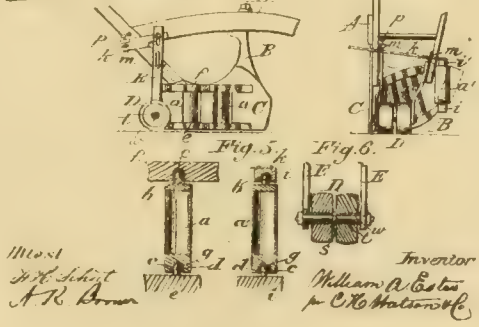
(No Model.)

W. A. ESTES.
PLOW.

No. 252,291. Patented Jan. 10, 1882







Witnesses
H. K. Schirt
A. R. Brown

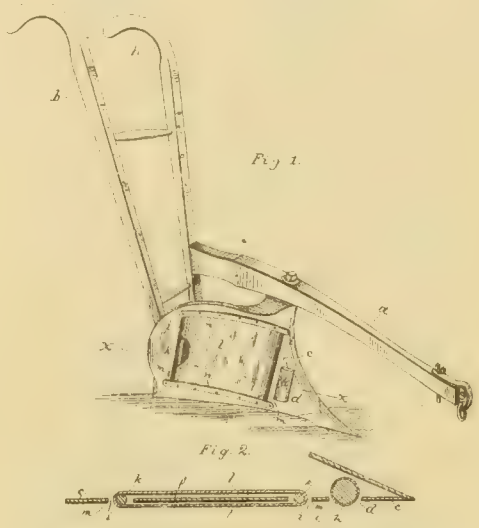
Inventor
William A. Estes
per C. H. Watson & Co.

(No Model.)

C. O. DAHLMAN.

PLOW MOLD BOARD.

No. 263,122. Patented Aug. 22 1882.



WITNESSES:

Thos Wroughton.

W Read

INVENTOR:

C O Dahlman

BY Munn & Co

ATTORNEYS.

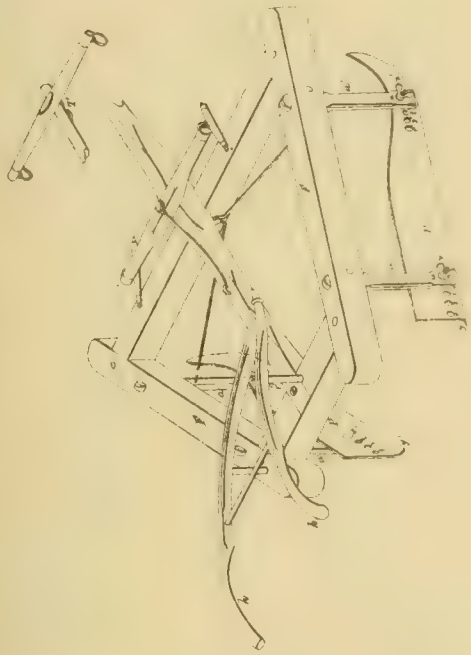
RIDGERS.

	Plate	*Claim*		*Plate*	*Claim*		*Plate*	*Claim*
Angamar, E. H.	742	485	Gross, G. Jr.	741	485	Shares, D. W.	741	485
Chandler, M.	742	485	Martin, A. D.	745	487	Snyder, J.	743	486
" " ", (R.)	742	485	Mason, T. J.	744	487	Webb, A.	743	486
Chandler, M.	746	487	Meixell, G. W.	745	487	" " (R.)	743	486
Clements, G. M.	743	486	Notman, W.	744	486	Whittemore, J. R.	745	487
Culver, D.	745	487	Notman, G.	744	487	Wolf, D.	741	485
Gardner, C.	742	485	Parmley, E. L.	746	487			
Goslee, O. W.	744	487	Schubert, M.	746	487			

G. Gross, Jr.

Ridge Plow

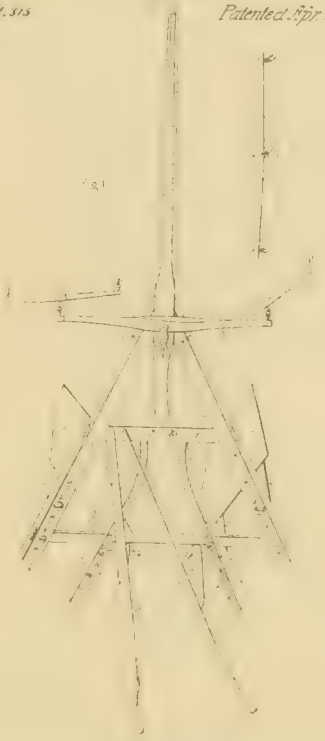
No. 5,800 Patented Sept. 26, 1848



Sheet 1, 2 Sheets

Ridge Plow

No. 8,515 Patented Apr. 23, 1850

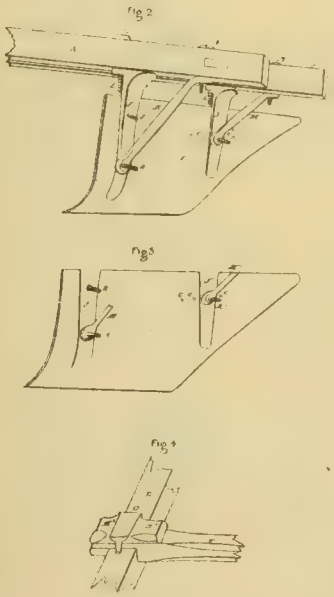


Sheet 2, 2 Sheets

D. Wolf.

Ridge Plow

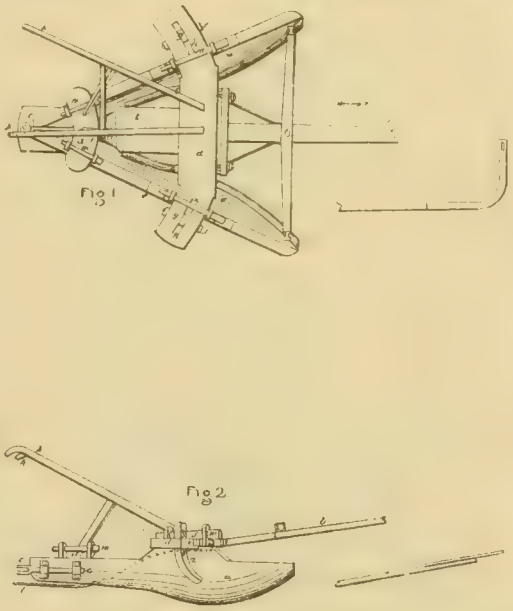
No. 7,315 Patented Apr. 23, 1850.



D. H. Shares.

Ridge Plow

No. 12,075. Patented Dec. 18, 1855.



E. H. Anguinar

Cane Planter.

No. 30,512. Patented Aug. 28, 1860.

Fig. 1

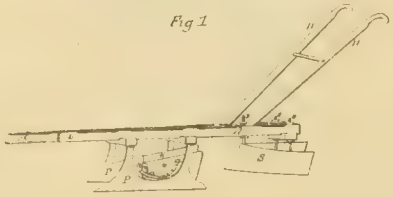
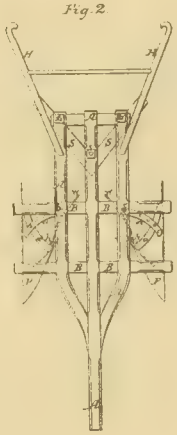


Fig. 2



Witnesses

Inventor
E. H. Anguinar.
By his Attorney
Chas. T. Hanbury

C. Gardner.

Ridge Plow.

No. 706. 31,710. Patented Mar. 19, 1861.

Fig. 2

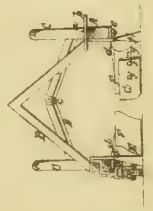


Fig. 1

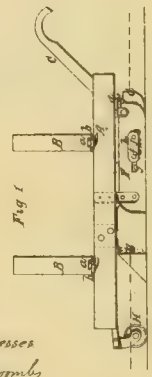
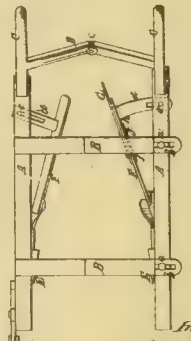


Fig. 3



Witnesses
Geo. Crombs
R. S. Spencer

Inventor.
Chas. Gardner
per Munn & Co
Attorneys

M. CHANDLER.

Horse Hoe.

No. 34,128. Patented Jan'y 14, 1862.

Fig. 1.

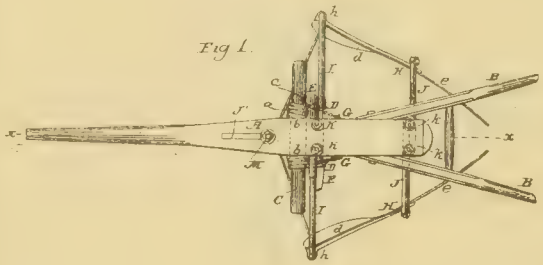
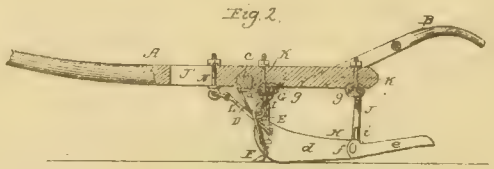


Fig. 2.



Witnesses
Geo. Crombs
J. W. Hurst

Inventor.
Moses Chandler
per Munn & Co
Attorneys

M. Chandler.

Horse Hoe.

No. 2808. Reissued Dec. 3, 1867.

Fig. 1.

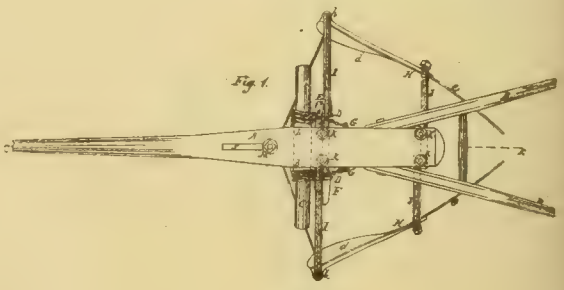
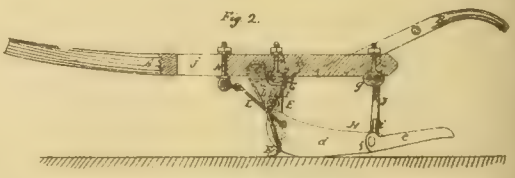
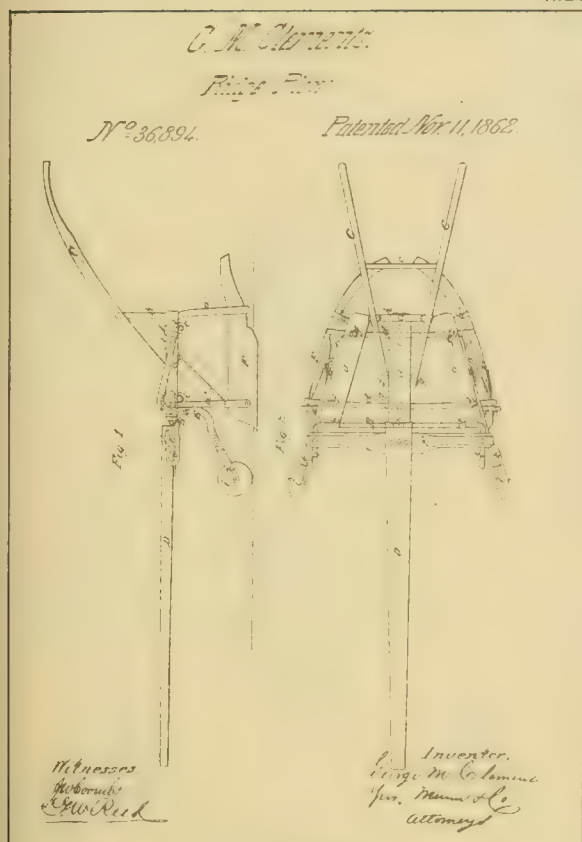


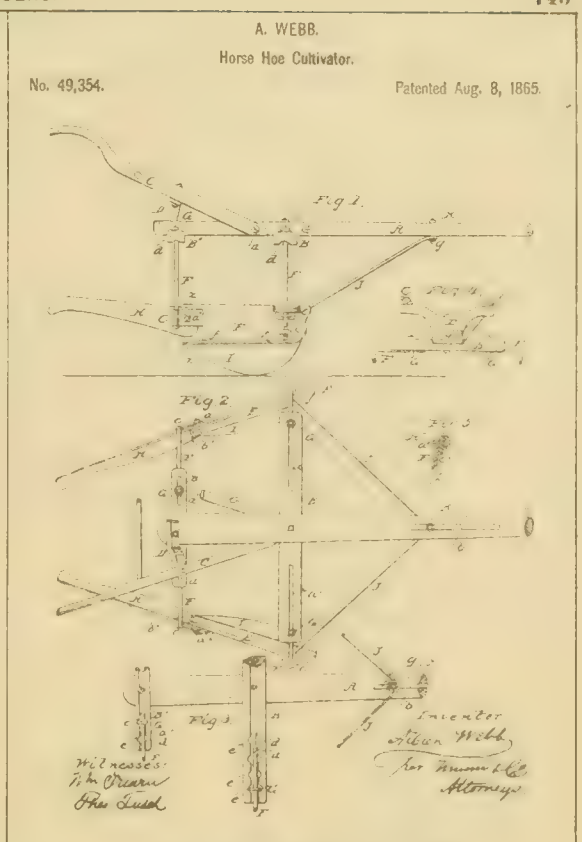
Fig. 2.

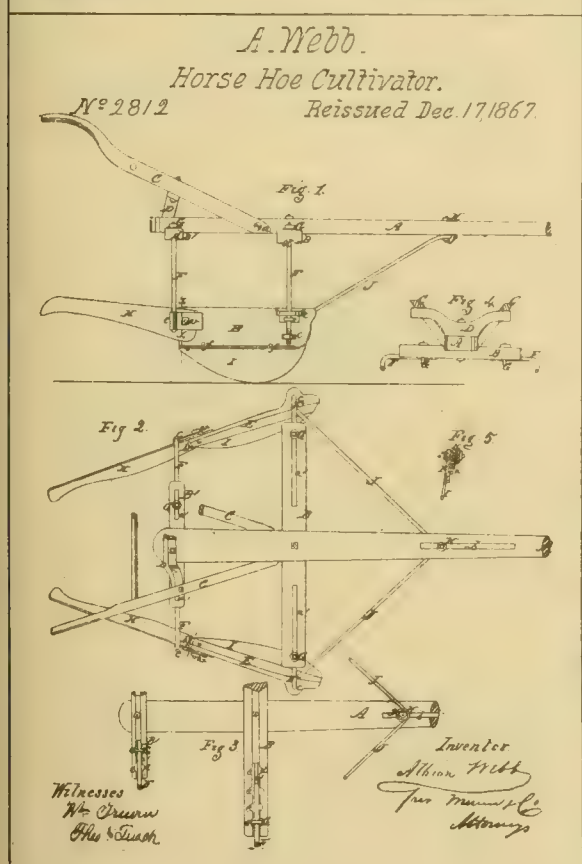


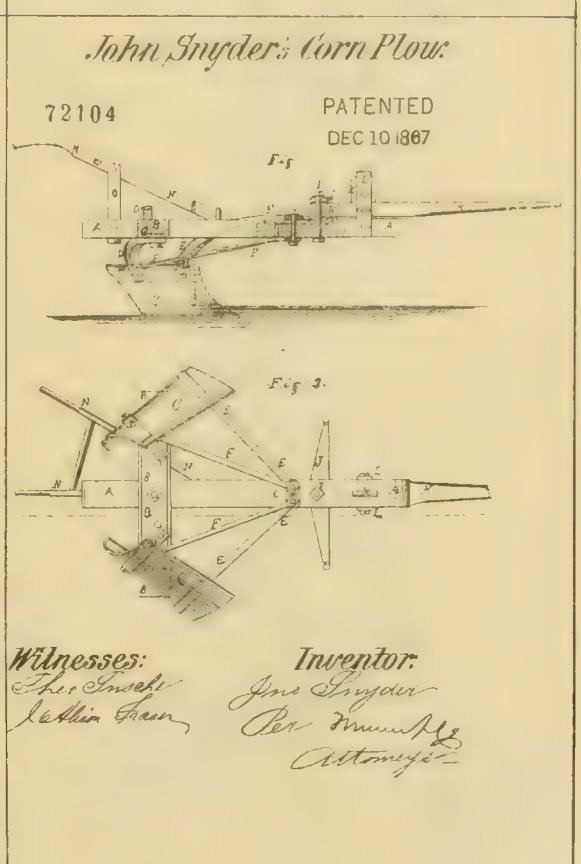
Witnesses
Geo. Crombs
J. W. Hurst

Inventor
Moses Chandler
per Munn & Co
Attorneys


No. 36894.
Patented Nov. 11, 1862.
Fig. 1
Fig. 2
Witnesses
Inventor.
Per Munn & Co
Attorneys


A. WEBB.
Horse Hoe Cultivator.
No. 49,354.
Patented Aug. 8, 1865.
Fig. 1.
Fig. 2
Fig. 3
Inventor
Per Munn & Co
Attorneys

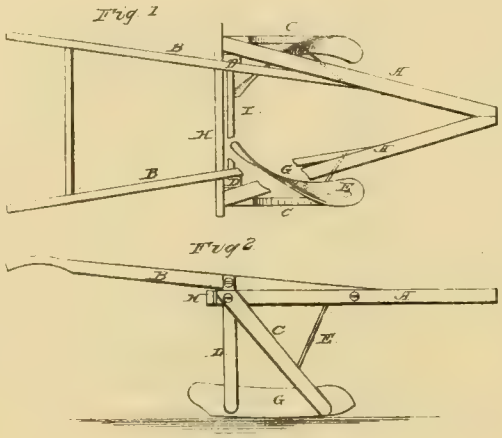

A. Webb.
Horse Hoe Cultivator.
No. 2812
Reissued Dec. 17, 1867.
Fig. 1.
Fig. 4
Fig. 2.
Fig. 5
Fig 3
Inventor
Per Munn & Co
Attorneys


John Snyder's Corn Plow.
72104
PATENTED
DEC 10 1867
Fig 1
Fig 2.
Witnesses:
Inventor:
Per Munn & Co
Attorneys

W. NOTMAN.

Ridge Plow.

No. 84,437. Patented Nov. 24, 1868.



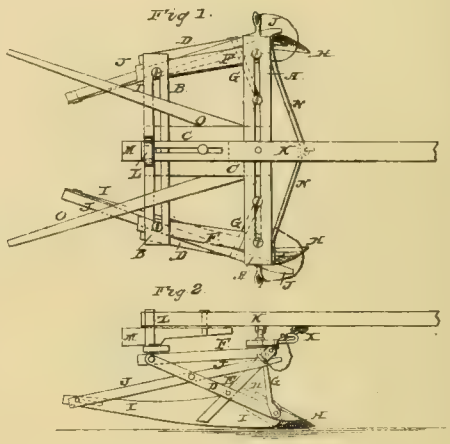
Witnesses
Isaac A. Sayles
Wm A. Morgan

Inventor
W. Notman
per Munn & Co
Attorneys

T. J. MASON.

Ridge Plow.

No. 84,957. Patented Dec. 15, 1868.



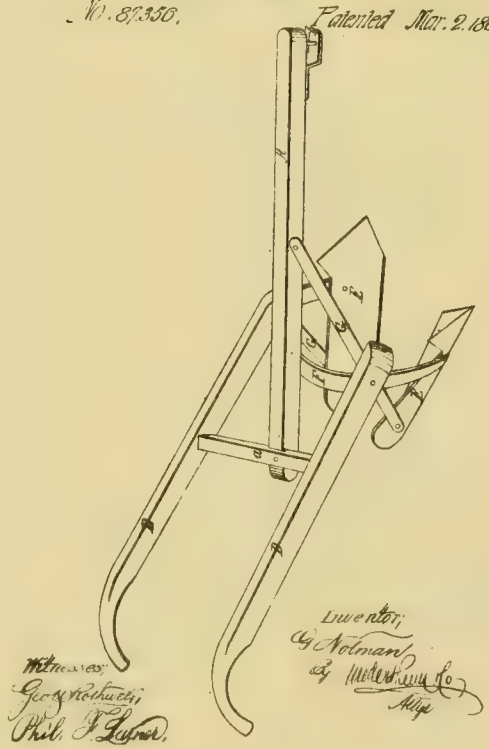
Witnesses
A. W. Hungerford
Wm A. Morgan

Inventor
Thos J. Mason
per Munn & Co
Attorneys

C. Notman,

Hilling Plow.

No. 87,356. Patented Mar. 2. 1869.



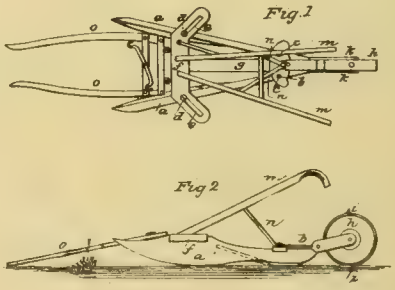
Witnesses
Geo. Rothwell,
Phil. J. Lupton.

Inventor,
C. Notman
by Munn & Co
Attys

O. W. GOSLEE.

Tobacco Ridger.

No. 106,810. Patented Aug. 30, 1870.



Witnesses
E. W. Kipp
Henry W. Kipp

Inventor
Orpin W. Goslee

D. CULVER.

Improvement in Cultivators.

No. 128,860. Patented July 9, 1872

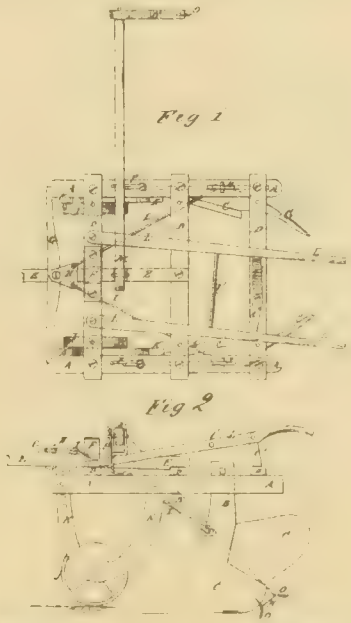
WITNESSES:

INVENTOR

G. W. MEIXELL.

Improvement in Corn Plow and Marker.

No. 132,405 Patented Oct. 22, 1872.



Witnesses:

Inventor:

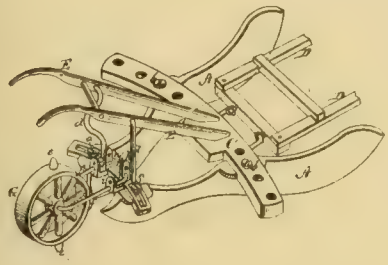
Per

Attorneys

J. R. WHITTEMORE.

Tobacco Ridgers.

No. 142,753. Patented September 9, 1873.



Witnesses

Inventor

John R. Whittemore

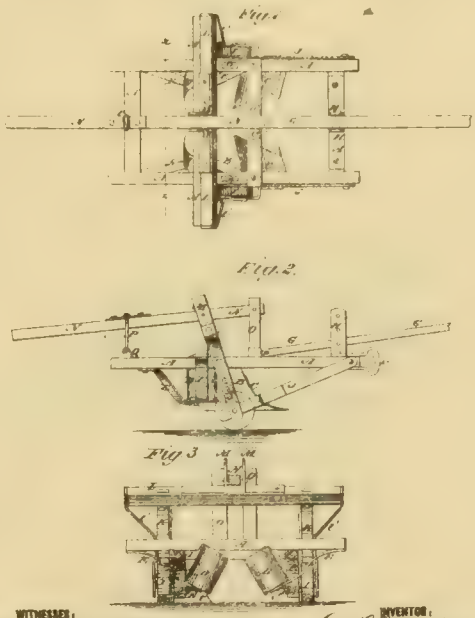
per

Attorneys.

A. D. MARTIN.

RIDGE-FORMING MACHINES

No. 179,933. Patented July 18, 1876



WITNESSES:

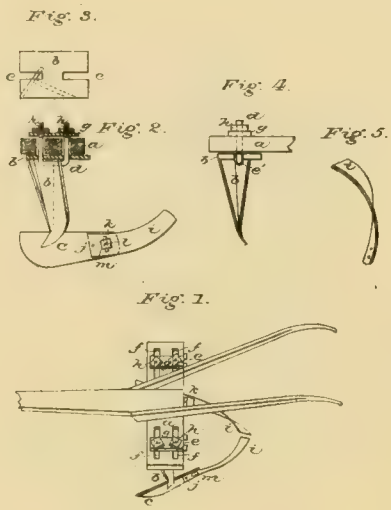
INVENTOR:

BY

ATTORNEYS.

M. CHANDLER.
Horse-Hoe.

No. 211,701. Patented Jan. 28, 1879.



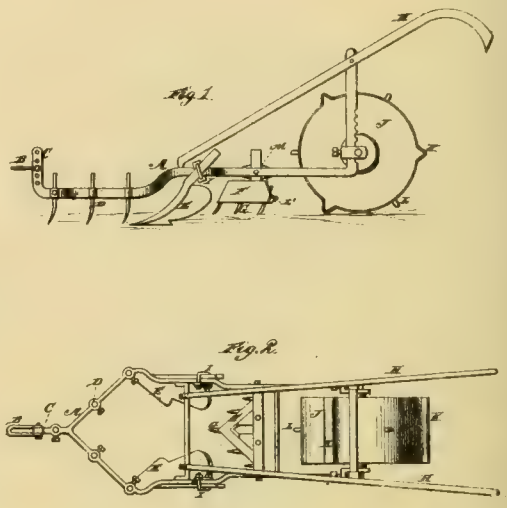
Witnesses:
John R. Mason
E. L. Parmley

Inventor
Moses Chandler
By Wm. Vanklumpany Atty

(No Model.)

M. SCHUBERT
Tobacco and Plant Hillers.

No. 235,576. Patented Dec. 14, 1880.



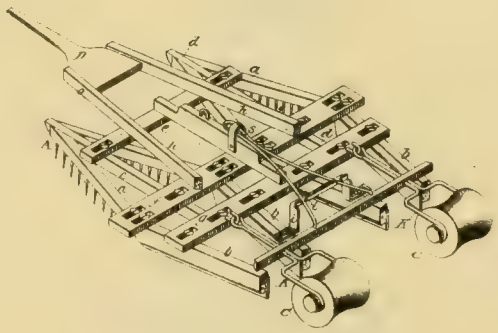
WITNESSES
Robert Ewatt
Chas. F. Page

INVENTOR
Maurice Schubert.
Gilmore Smith & Co.
ATTORNEYS

(Model)

E. L. PARMLEY.
Tobacco Hiller.

No. 239,835. Patented April 5, 1881.



Witnesses:
A. J. O'Brien
H. A. Philips

Inventor:
Elmer E. Parmley
By Sanford A. Hudson
his Attorney in fact

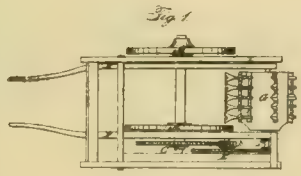
ROTARY.

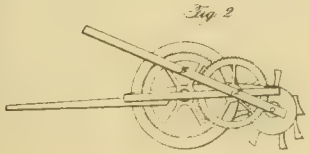
	Plate	Claim
Adams, J.	800	517
Andrews, W. J.	779	510
Atwater, J. B.	765	503
Austin, J.	804	519
Austin, J.	817	524
Badger, N.	761	502
Badlam, E.	768	504
Batcheller, A. F.	791	514
Batcheller, A. F.	793	515
Baucum, S. C.	819	525
Belmont, H.	782	511
Berkstresser, H.	772	506
Berninger, O.	775	508
Bleecker, W. E.	784	512
Bleecker, W. E.	790	513
Bodley, J. W.	817	524
Bodley, J. W.	818	524
Bondeli, A.	779	510
Bostwick, E. E.	818	524
Bourne, E.	780	510
Bowen, H. W.	783	511
Breeden, C. C. and Wheeler, O. T.	800	517
Brodnax, D. W. Sr.	795	515
Burch, I. W.	778	509
Bussell, E. T.	772	506
Bussell, E. T.	755	500
Bussell, E. T.	783	511
Bussell, E. T.	784	512
Cagwin, F. L.	775	508
Chamberlain, W. H.	773	507
Chenoweth, J.	779	510
Colborn, L. H.	769	505
Cole, J. L.	763	503
Comstock, C.	759	501
Comstock, C.	762	502
Comstock, C.	765	503
Cone, F. C.	777	509
Coon, J. H.	793	514
Cooper, G. W.	774	507
Cochran, A. J.	823	526
Crane, I. C.	761	502
Crafts, A. and Weeks, E.	752	499
Cravath, M. A. and I. M.	771	506
" " " " (R)	772	506
Crossby, W. E. and Carey, A.	821	526
Daniels, C. J.	804	519
Dawson, W. J.	778	509
Decelle, M.	783	511
Densmore, J.	772	506
Eckles, H. P.	774	507
Elliott, J. C.	790	513
Elliston, C. T.	787	513
Evans, O. C.	754	499
Feierabend, J.	820	525
Fenley, G. W.	793	514
Field, G. B.	752	499
Field, B. F.	757	501
Field, B. F.	756	500
Fithian, L. S.	765	503
Fithian, L. S.	767	504
Fitzgerald, J. C.	771	505
Forsgard, G. A.	785	512
Foster, C. R.	809	521
Foy, W. H.	792	514
Foye, W. H.	796	515
Fraser, E. J.	770	505
Frazee, L. F.	782	511
Freeborn, W.	799	517
Garver, A. A.	758	501
Gatling, R. J.	758	501
Gatling, R. J.	761	502
Gedney, G. W. B.	757	500
Goddard, E. G.	823	526
Gordon, E.	762	502
Grabo, C. G.	763	503
Graner, J.	801	517
Haggard, J. W. and Bull, G.	753	499
Harris, E.	758	501
Haynes, J.	797	516
Hesselbom, E. M.	789	513
Hewit, S.	762	502
Hoadley, J.	764	503
Hoffmeyer, A. B. and Schmidt. J.	788	513
Homrighouse, L.	781	511
Hopkins, G. E.	796	515
Huffer, I.	819	524
Hurd, J. B.	823	526
Hyde, W. B.	785	512
Johnson, M.	780	510
Johnson, H. M.	753	499
Johnson, J.	765	503
Johnson, J. G.	777	509
Johnston, C.	824	527
Jones, J. G.	788	513
Jones, H. and Yard, W. K.	790	514
Judd, N. T.	781	511
Kent, E. H.	775	508
Kershner, T. A.	797	516
Kyle, I. N.	818	524
Lane, D. H.	803	518
Locke, D.	801	517
Lynch, G. F.	775	508
McCray, T H.	813	522
McDonald, T. E.	785	508
McDonell, A. S.	787	513
McKinley, R.	787	512
Mallon, J.	802	518
Mann, D.	760	502
Martin, L.	801	517
Mathes, W. McC.	798	516
Mears, W. R.	768	504
Milroy, J. W.	773	507
Milroy, J. W.	786	512
Miles, O. E.	819	525
Miles, E. M.	820	525
Moody, L.	776	508
Morris, J. R.	782	511
Myers, D.	769	505
Newsom, G. S.	780	510
Nichols, W. W.	799	517
Nusbaum, A. B. C.	779	510
Palmer, N.	803	518
Peck, E.	754	500
Pedrick, R. R.	808	521
Pelsor, P. D. and H. C.	798	516
Pirrung, G.	821	525
Pitkin, J. H.	789	513
Platt, H. M.	755	500
Pomeroy, H. A. G. and Hudson, R. F.	759	501
Poundstone, C. N.	786	512
Quimby, W. F.	760	502
Quimby, W. F. and Lobdell, G. G.	762	502
Quimby, W. F. and Lobdell, G. G.	770	505
Randolph, J. H. Jr.	787	512
Rice, F., Apple, A. and M.	818	524
Richardson, W. C. B.	794	515
Roach, L.	755	500
Roberts, E. B.	773	507
Rouse, T.	797	516
Royse, P. E.	752	499
Russell, D.	753	499
Sackett, C. E.	802	518
Sackett, C. E.	804	519
Sackett, C. E.	805	520
Sackett, C. E.	806	520
Sackett, C. E.	807	520
Sackett, C. E.	808	521
Sackett, C. E.	811	522
Sackett, C. E.	814	523
St. John, G. B. and Underwood, J. R.	810	522
Schuchard, J.	814	523
Schultz, J. D. and Adams, R.	771	506
Scoville, T. S.	758	501
Shabley, C.	769	504
Sherman, D. B.	798	519
Sherwood, L.	777	509
Sivertsen, B. E.	777	509
Skillings, H.	800	510
Smith, N. S.	756	500
Soniat, L.	789	513
Spencer, H. H.	814	523
Spofford, M.	751	499
Standish, P. H.	774	504
Stanley, H.	767	504
Starritt, J. D.	788	513
Stebbins, L.	823	527
Stephens, A. J.	776	509
Stevens, T. S.	756	500
Stevens, J.	756	500
Stevens, L.	759	501
Stickney, B. F.	551	499
Stoddard, J. C.	757	500
Stone, J. C.	796	516
Stoner, A. F.	776	508
Tally, T. J.	810	522
Taplin, H. T.	778	509
Tarnutzer, J. P.	771	507
Thompson, A.	770	505
Thompson, J.	781	511
Tilley, J. R.	799	517
Tranter, J., Kinsey, J. and Carr, J. M.	781	510
Trouard, A.	786	512
Tuthill, T. J.	751	499
Uehling, T.	778	509
Underwood, J. K.	794	515
" " (R)	794	515
Underwood, J. K.	796	516
Underwood, J. K. and St. John, G. B	811	522
Naughn, J. and Chamness, E.	774	507
Von Phul, H. Jr. and Mallon. J.	791	514
Wadsworth, W.	763	503
Wadsworth, W.	764	503
West, B. J.	810	522
Wetherell, L.	755	500
Whitehead, J.	754	499
Winters, E. C.	793	514
Wolf, F.	759	501
Wood, N. S.	792	514
Woodbridge, S.	769	505
Young, J.	751	499
Young, J.	757	501
Zimmerman, J.	654	499

B. F. STICKNEY.

Steam Plow.

Patented Mar. 1, 1834.

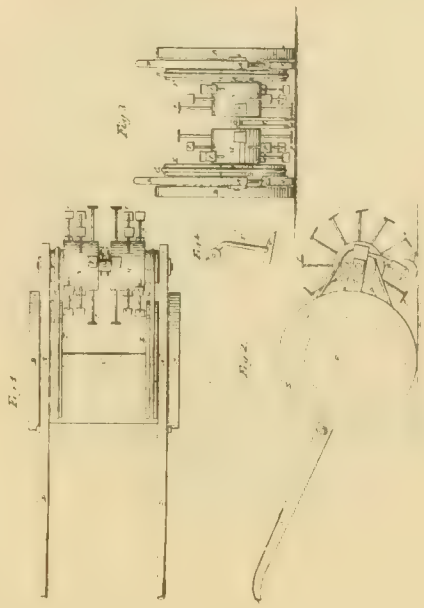




M. Stoughton

Steam Plow.

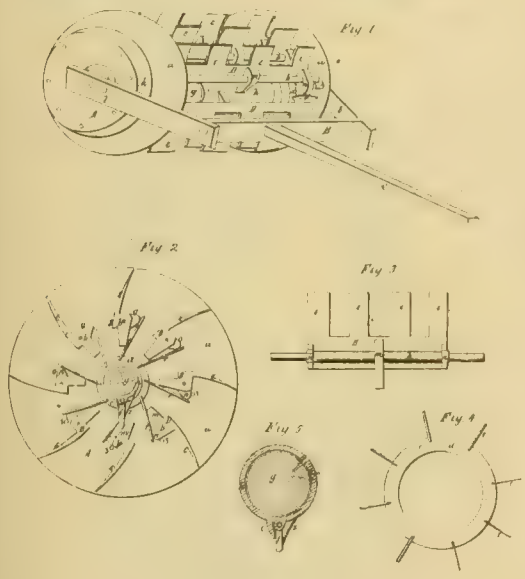
No. 5,500. Patented Sept. 11, 1847.



J. Young.

Rotary Cultivator.

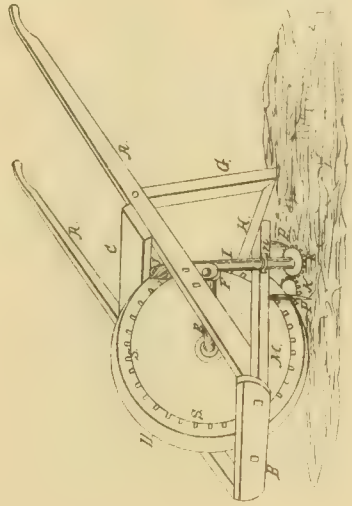
No. 5,665. Patented Jan. 18, 1848.



T. J. Tuttle.

Rotary Cultivator.

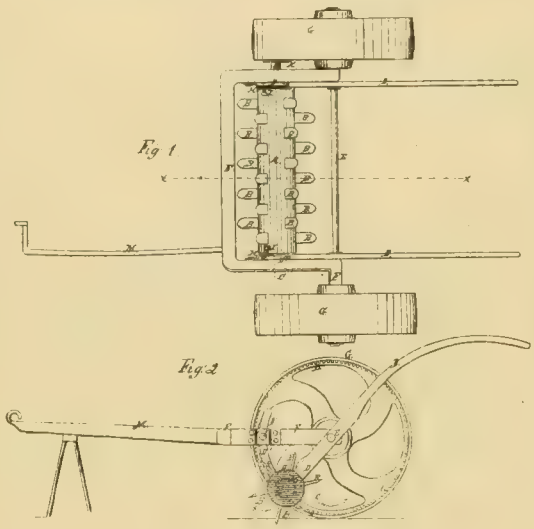
No. 6,091. Patented Feb. 6, 1849.



Charles Weeks.

Steam Plow.

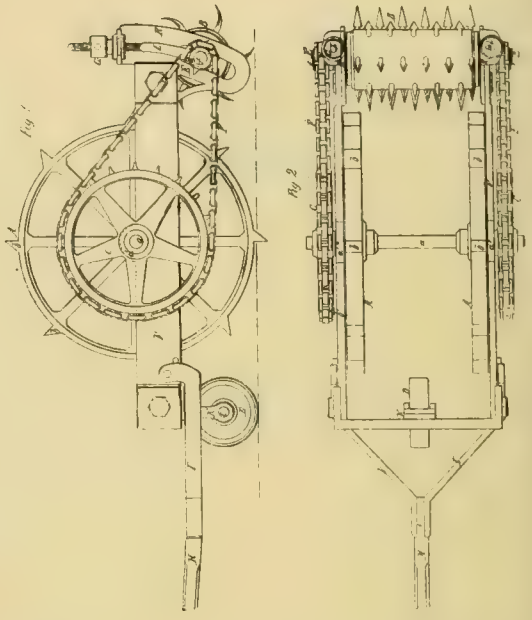
No. 6997. Patented Jan. 8. 1850.



P. E. Royse.

Steam Plow.

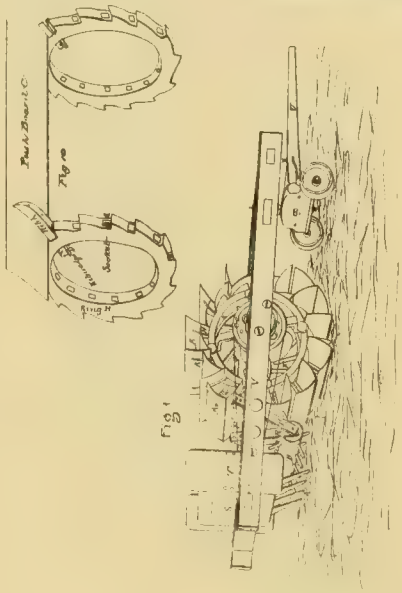
No. 8,747. Patented Feb. 17, 1852.



G. B. Field. Sheet 1-3 Sheets.

Rotary Cultivator.

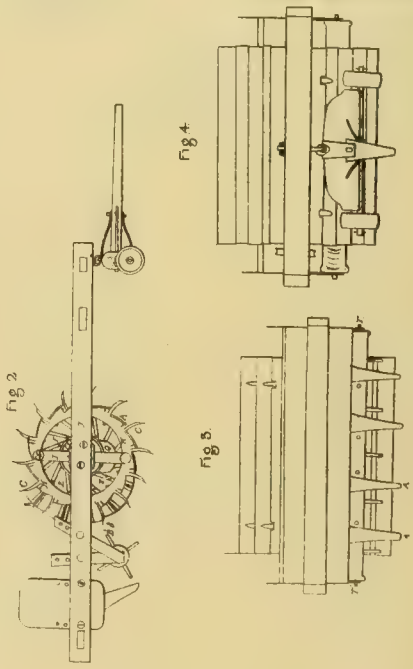
No. 10,624. Patented Mar. 14, 1854.



C. B. Field. Sheet 2-3 Sheets.

Rotary Cultivator.

No. 10,624. Patented Mar. 14, 1854.

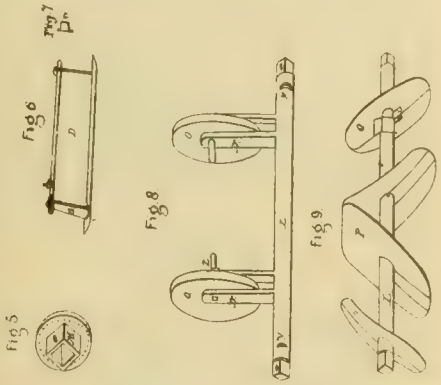


Sheet 3-3 Sheets.

C. B. Field.

Rotary Cultivator.

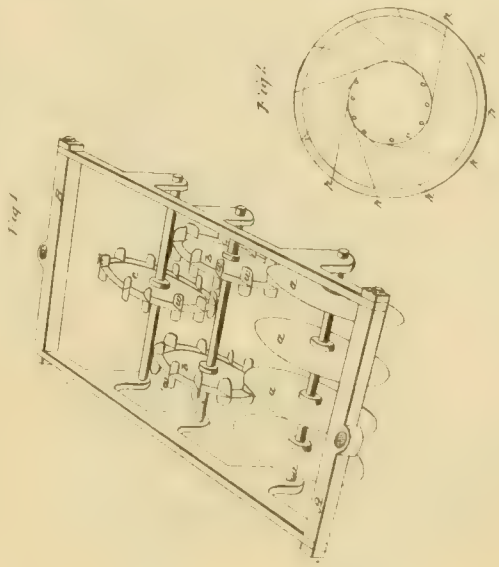
No. 10,624. Patented Mar. 14, 1854.



H. M. Jäusar.

Rotary Cultivator.

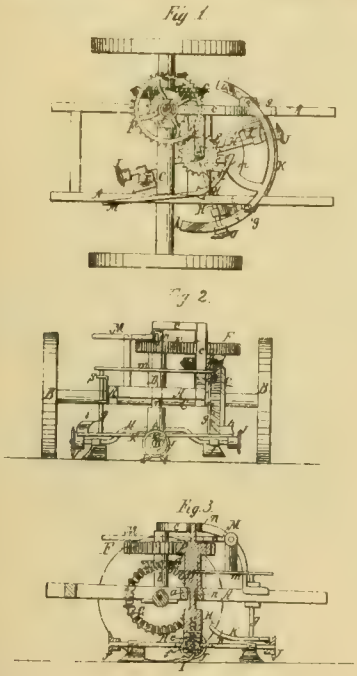
No. 11,162. Patented Jan. 27, 1854.



Haggard & Bull.

Steam Plow.

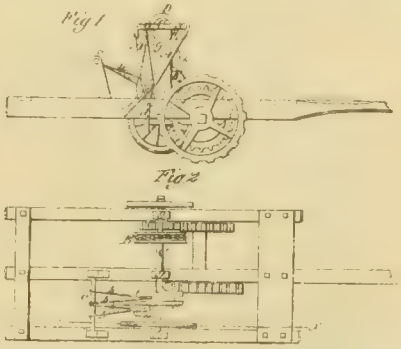
No. 12,387. Patented Feb. 13, 1855.



D. Russell.

Steam Plow.

No. 12,466. Patented Feb. 27, 1855.

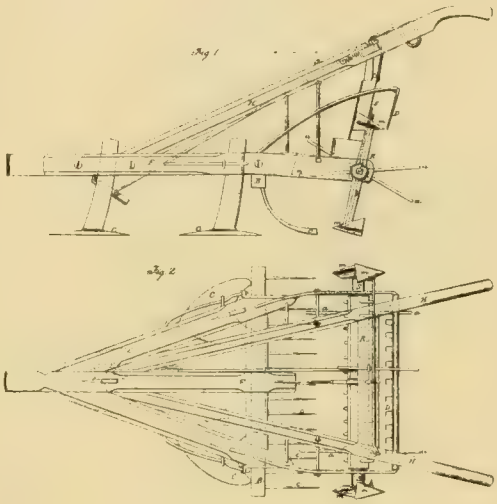


Witnesses
David Rutfell

J. Zimmerman.

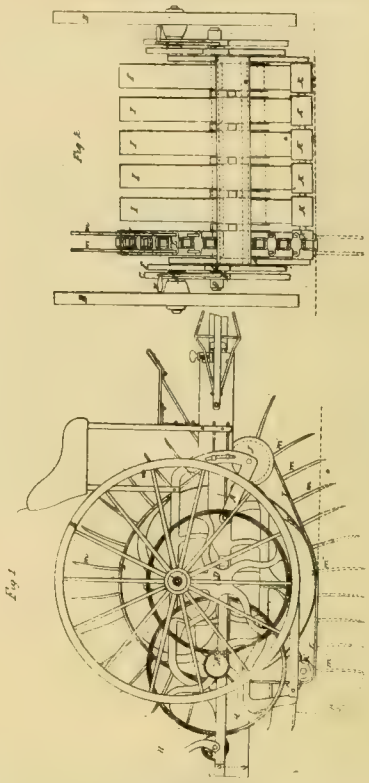
Rotary Cultivator.

No. 15,453. Patented Jul. 29, 1856.



J. T. Evans.

No. 16,007. Steam Plow. Patented Nov. 4, 1856



J. Whitehead.

Rotary Cultivator.

No. 17,467. Patented Jun. 2, 1857.

Fig 1

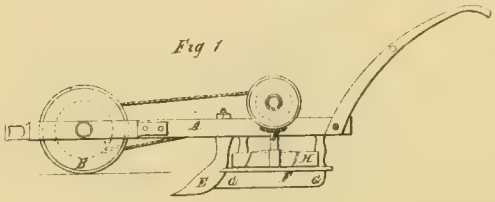
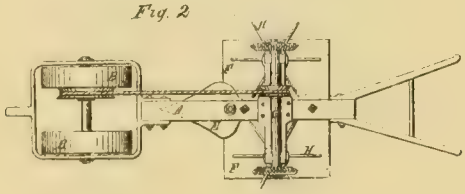


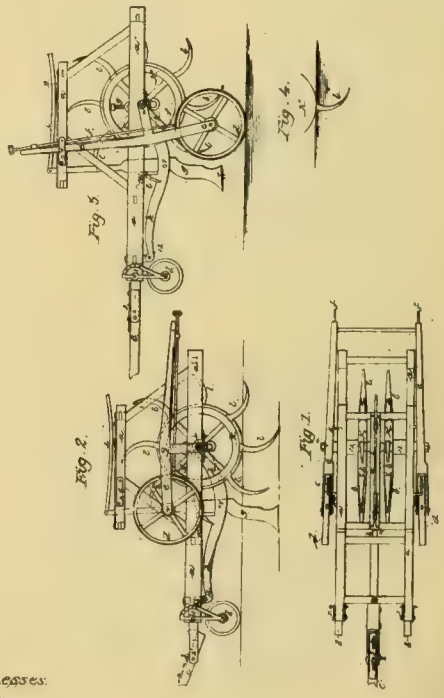
Fig. 2



E. PECK.

Steam-Plow.

No. 18,600. Patented Nov. 10, 1857.



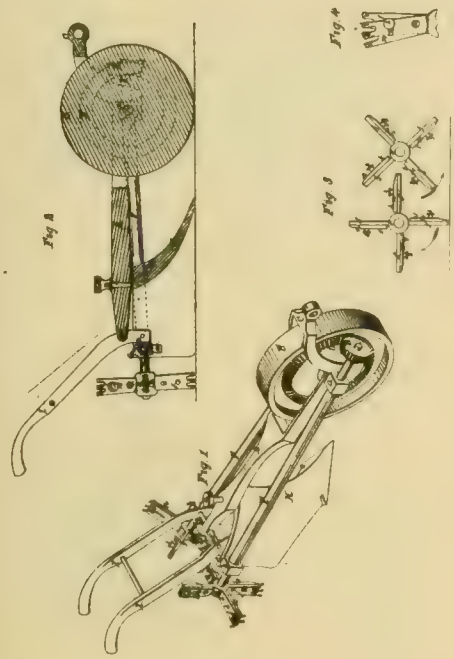
Witnesses:

Inventor

L. Wetherell.

Rotary Cultivator.

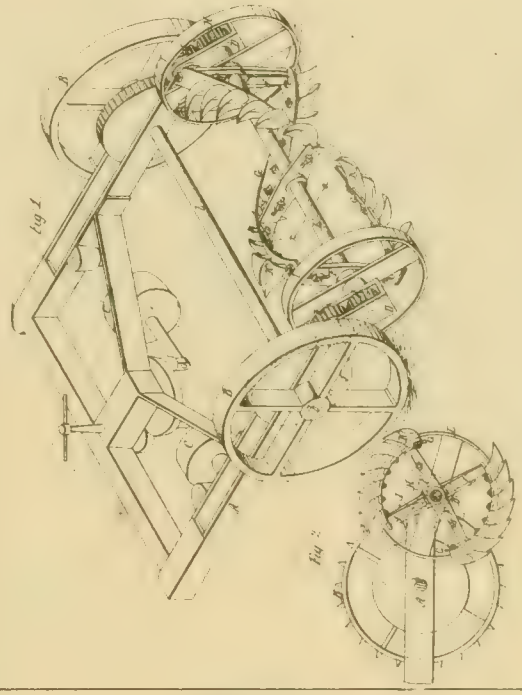
No. 12,934. Patented Dec. 22, 1857.



L. Pratt.

Rotary Cultivator.

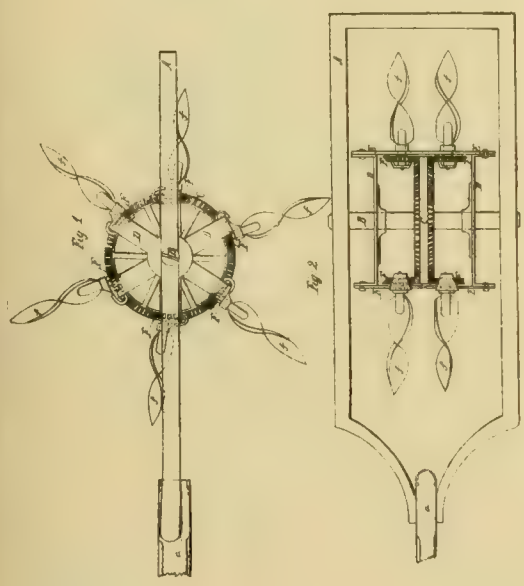
No. 19,652. Patented May 16, 1858.



E. T. Bussell.

Steam Plow.

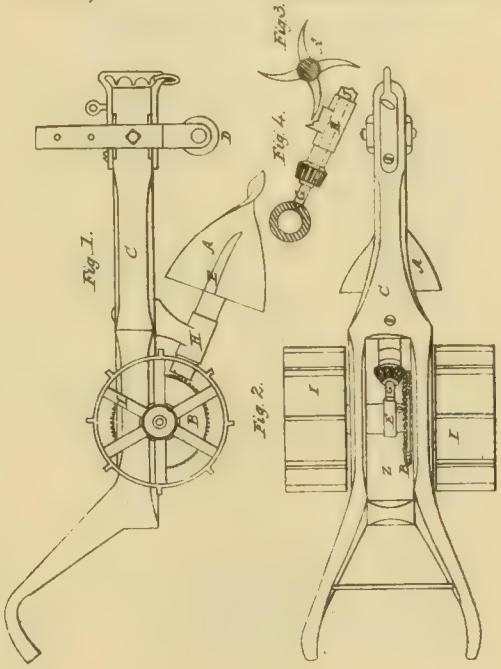
No. 20,605. Patented Jun. 15, 1858.



H. M. Platt.

Rotary Cultivator.

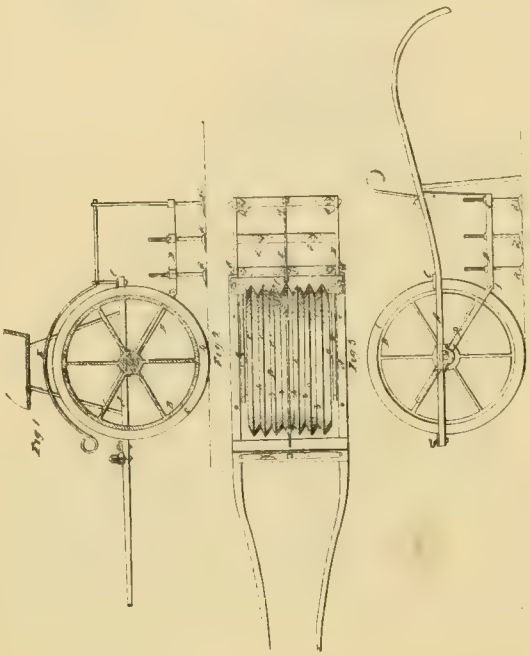
No. 20,659. Patented Jan. 22, 1858.



N. S. Smith

Rotary Cultivator

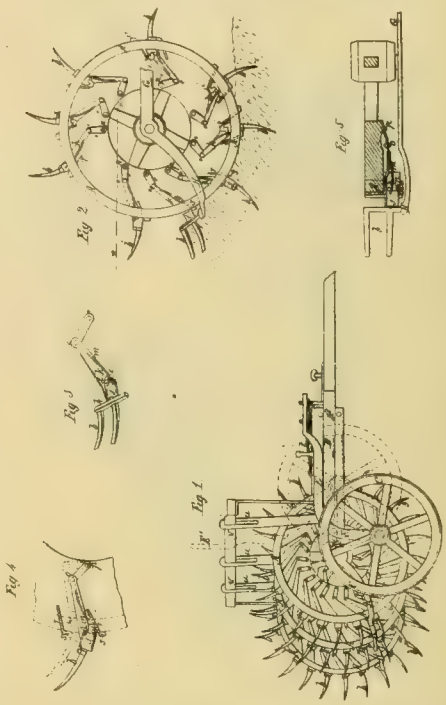
No. 21,377 Patented Aug. 31, 1858



J. Stevens.

Steam Plow

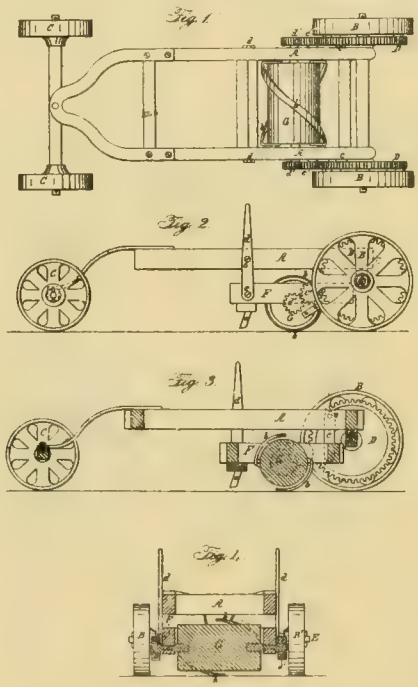
No. 21,803. Patented Oct. 12, 1858.



T. S. STEVENS.

Steam Plow..

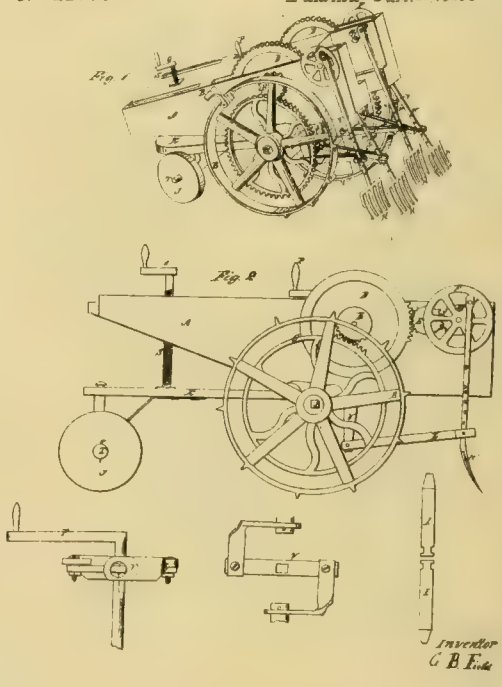
No. 21,857. Patented Oct. 19, 1858.



G. B. Field.

Steam Plow.

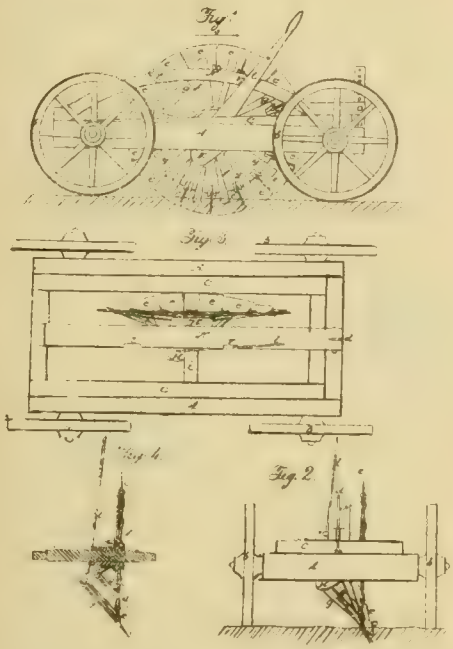
No. 22,106 Patented Nov. 1 1859.



W. B. GEDNEY

Steam-Plow

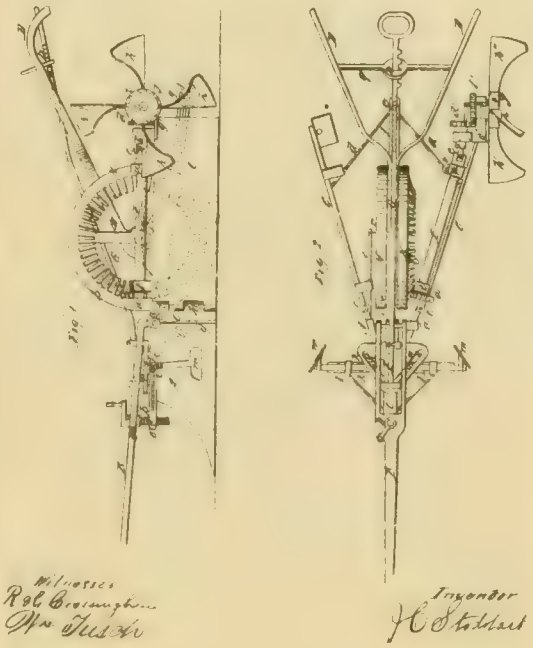
No. 22,857 Patented Feb. 8, 1859



J. C. Stoddard.

Rotary Cultivator

No. 23,107 Patented Mar. 22, 1859



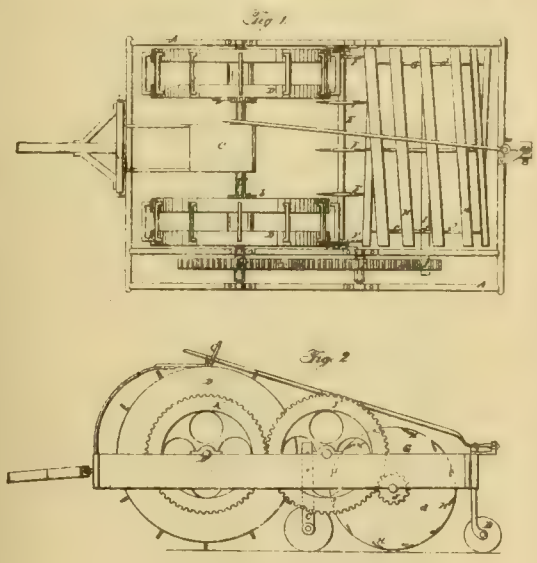
Witnesses

Inventor

J. YOUNG.

Steam Plow.

No. 24,597 Patented June 28, 1859



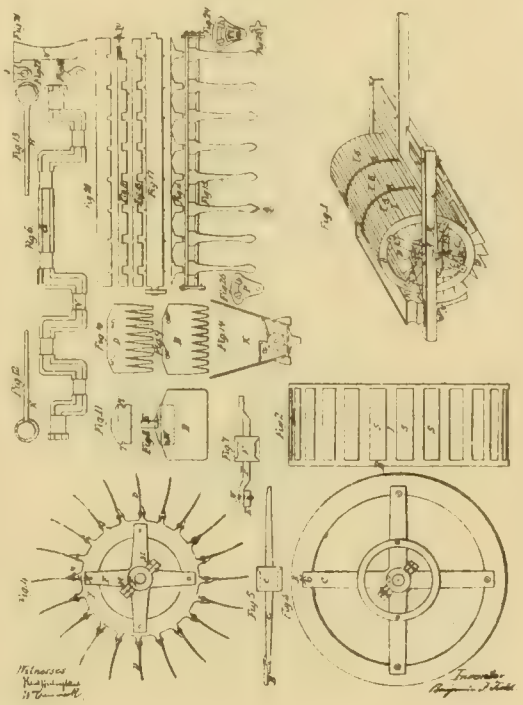
Witnesses:

Inventor

B. F. FIELD.

Steam-Plow.

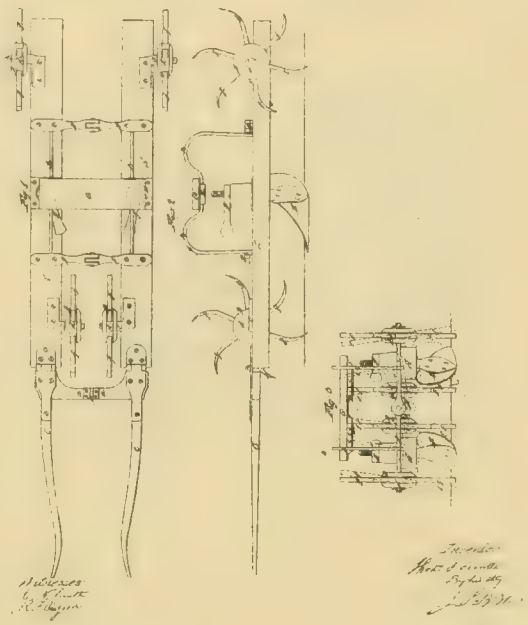
No. 24,799 Patented July 19, 1859



T. S. Scoville

Steam Plow.

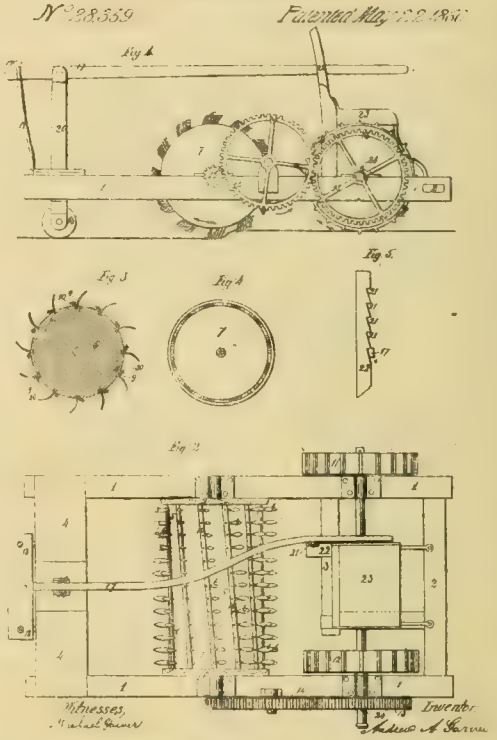
No. 27,388 Patented Mar. 6, 1860.



A. A. Garver.

Steam Plow.

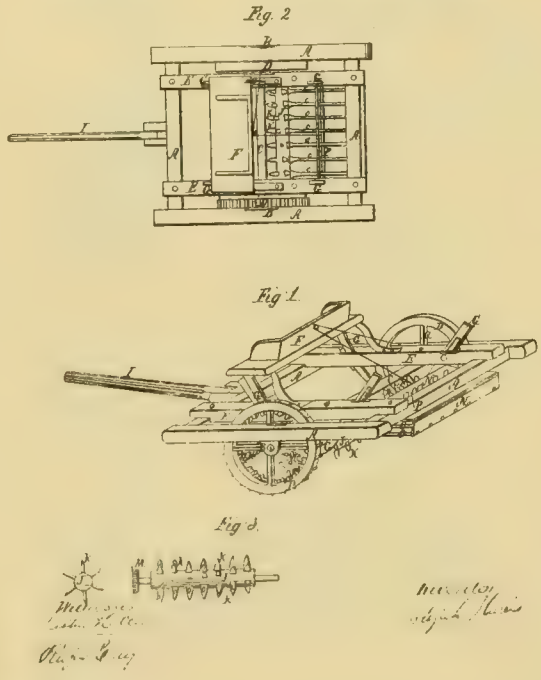
No. 28,359 Patented May 22, 1860.



E. Harris.

Steam Plow.

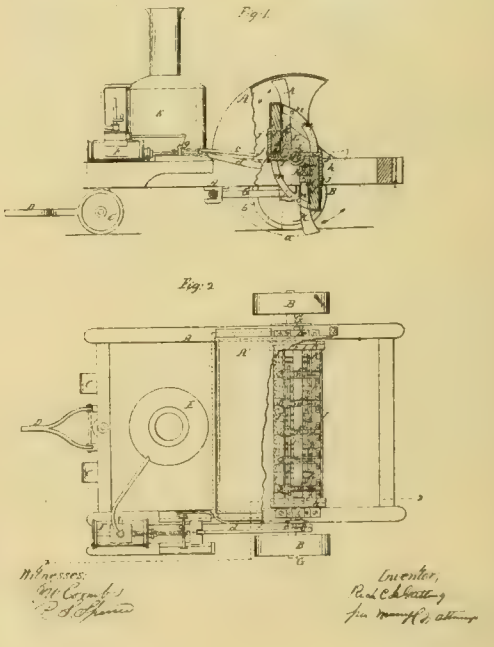
No. 28,368. Patented May 22, 1860.



R. L. Catlin.

Steam Plow.

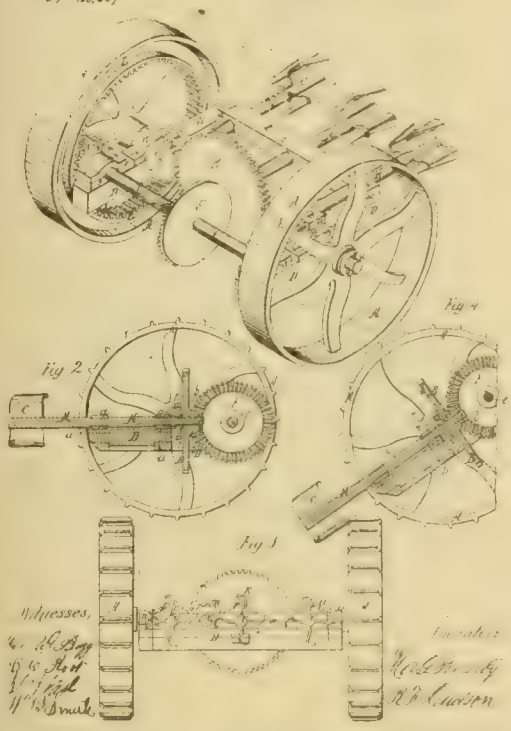
No. 28,466. Patented May 29, 1860.



Pomeroy & Hudson

Rotary Cultivator

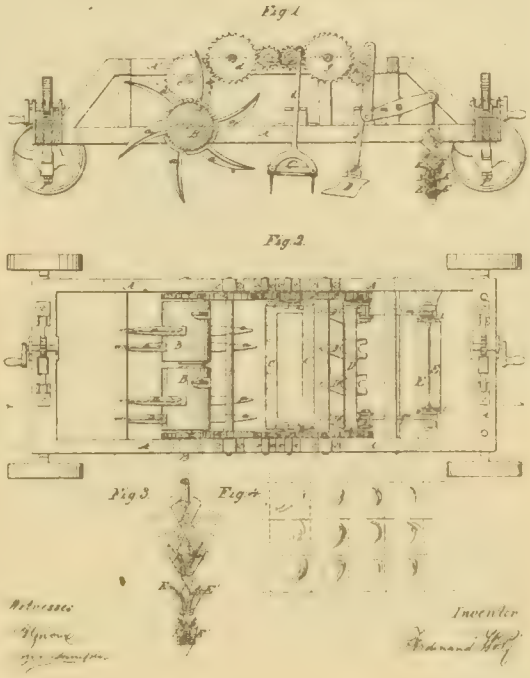
No. 28,687. Patented Jun 12 1860



F. Wolf.

Steam Plow

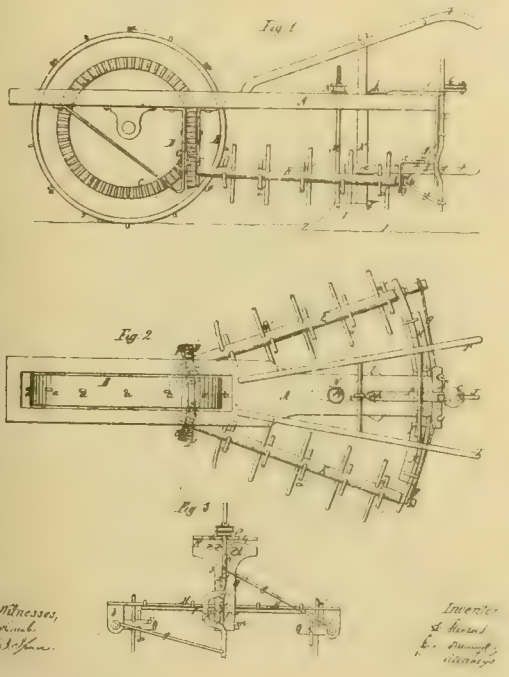
No. 29,614 Patented Aug 14, 1860



L. Stevens.

Rotary Cultivator

No. 30,771. Patented Nov 27, 1860

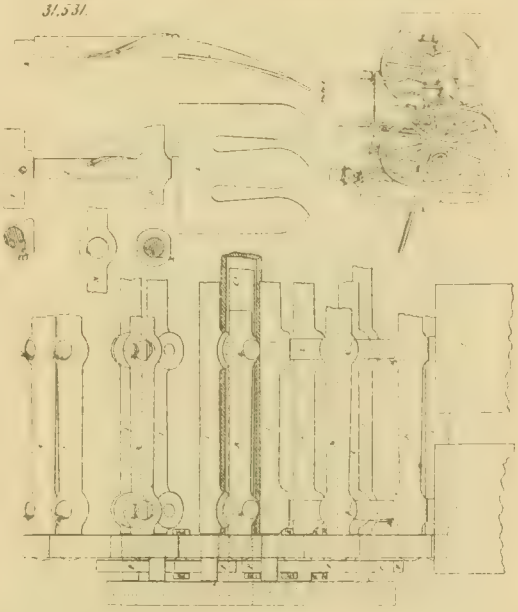


Sheet 3 S.P.M.S.

C. Comstock.

Steam Plow

No. 31,531. Patented Feb 26, 1861



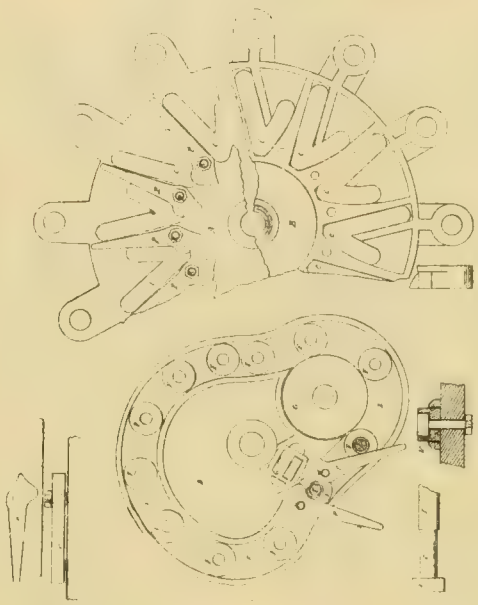
Sheet 2, 3 Sheets.

C. Comstock.

Steam Plow.

No. 527.
31,531.

Patented Feb. 26, 1861.



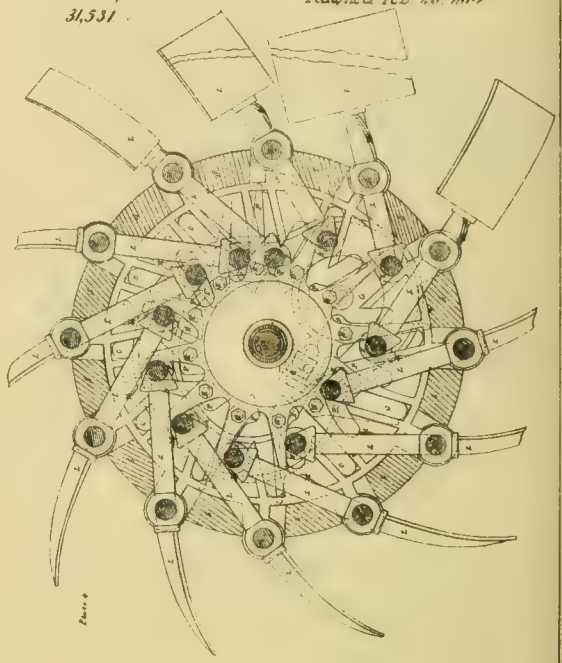
Sheet 3, 3 Sheets.

C. Comstock.

Steam Plow.

No. 527.
31,531.

Patented Feb. 26, 1861.



W. F. Quimby.

Steam Plow.

No. 734.
31,758.

Patented Mar. 19, 1861.

Fig. 1

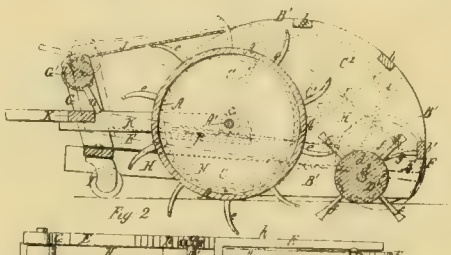
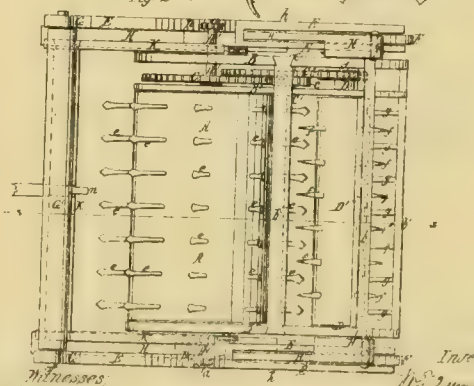


Fig. 2



Witnesses,

Inventor
Wm. F. Quimby.
per

Sheet 1, 2 Sheets.

D. Mann.

Steam Plow.

No. 1,133.
32,137.

Patented Apr. 23, 1861.

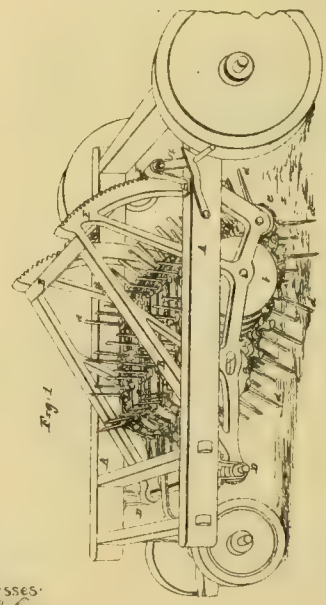


Fig. 1

Witnesses:

Inventor
Donald Mann

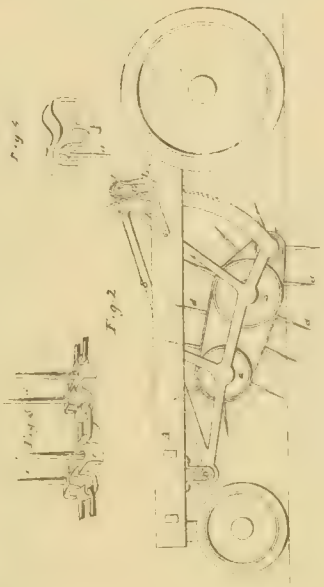
Sheet 2 2 Sheets

D. Mann.

Steam Plow

No. 1,143
32,137

Patented Apr. 23, 1861



Witnesses

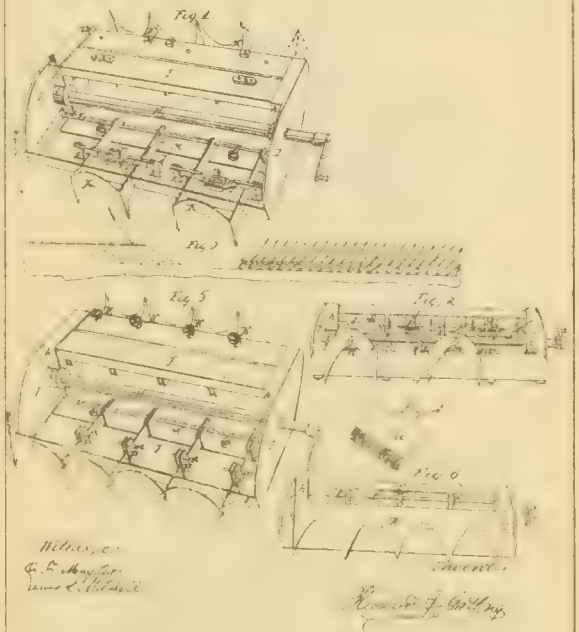
Inventor
Donald Mann

R. J. Gatling

Steam Plow

No. 1,506
32,600.

Patented Jun. 18, 1861.



Witnesses

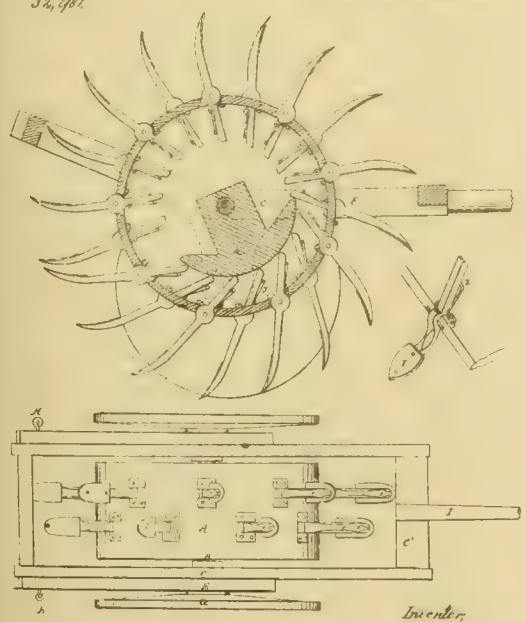
Inventor

J. C. Crane

Steam Plow

No. 1,977
32,461.

Patented Aug. 6, 1861



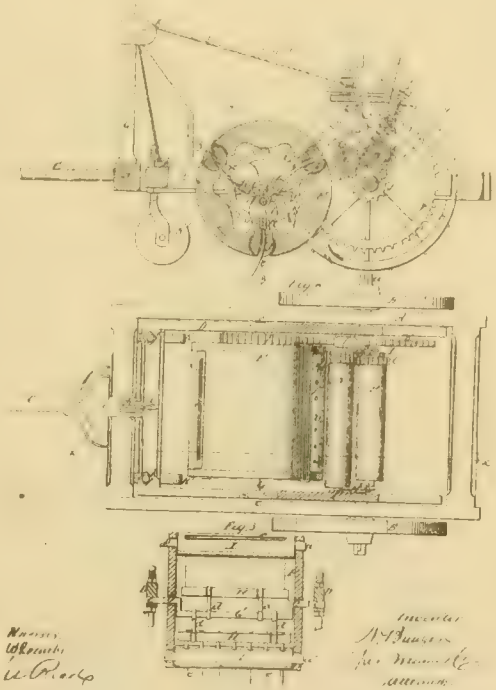
Witnesses

Inventor

N. Badger

Rotary Cultivator

No. 36,173.



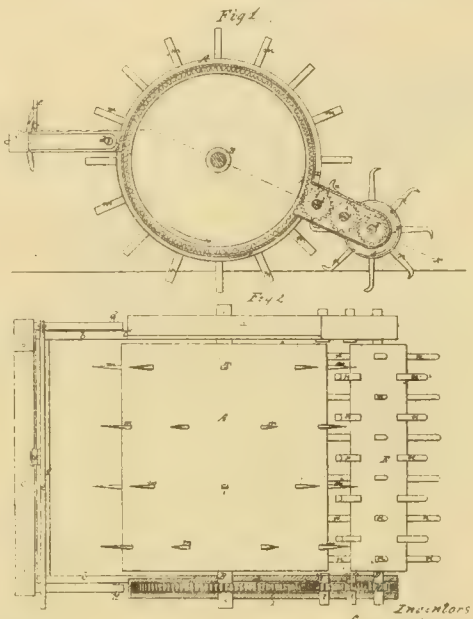
Witnesses

Inventor

E. Gordon.

Steam Plow.

No. 34,751. Patented Mar. 25, 1862.

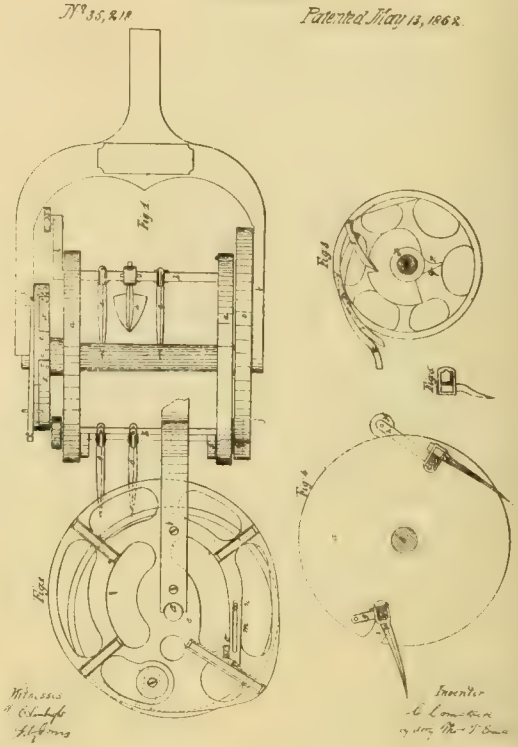


Witnesses
H. W. Goodwin
Inventors
Edwin Gordon
per Munn & Co
Attorneys

C. Comstock.

Steam Plow.

No. 35,218 Patented May 13, 1862.

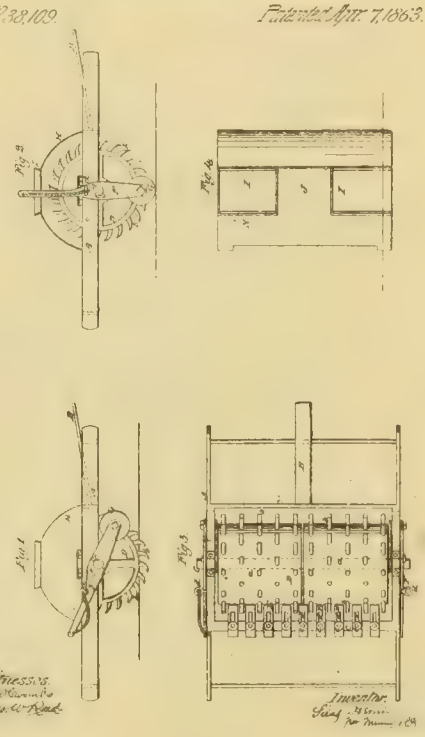


Witnesses
J. Elderkin
F. H. Ross
Inventor
C. Comstock
by Munn & Co

S. Howe.

Steam Plow.

No. 38,109. Patented Apr. 7, 1863.

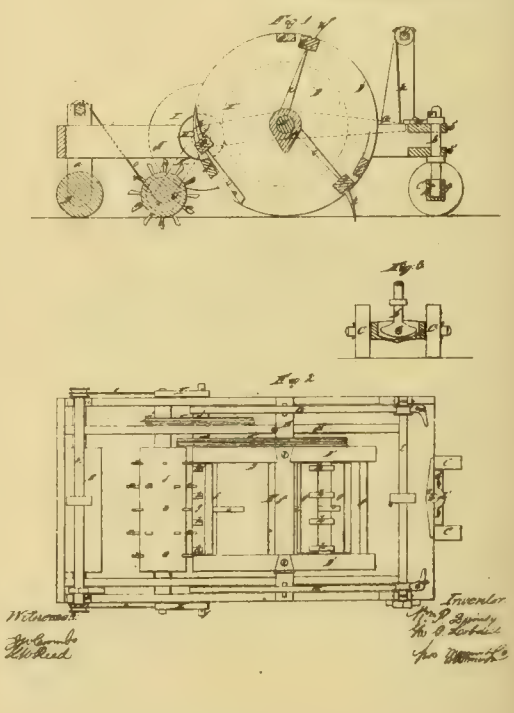


Witnesses
Geo. Crombie
Geo. W. Read
Inventor
Saml. Howe
per Munn & Co

Quincy & Lovell.

Steam Plow.

No. 38,124. Patented Apr. 7, 1863.

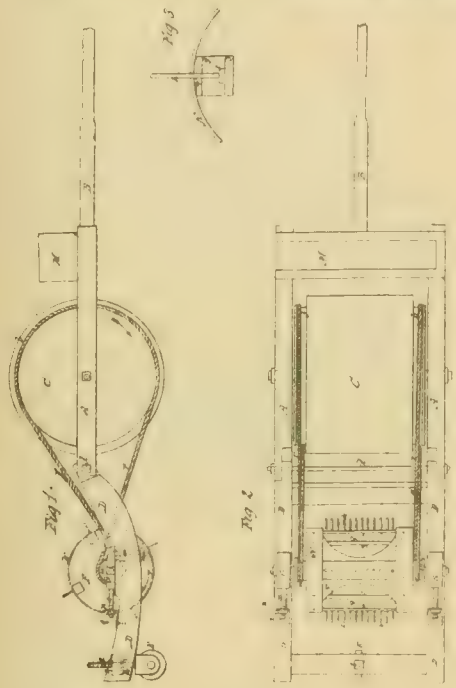


Witnesses
Geo. Crombie
E. W. Read
Inventor
Jno. P. Quincy
Th. O. Lovell
Jno. Wm. Smith & Co

C. E. Crate.

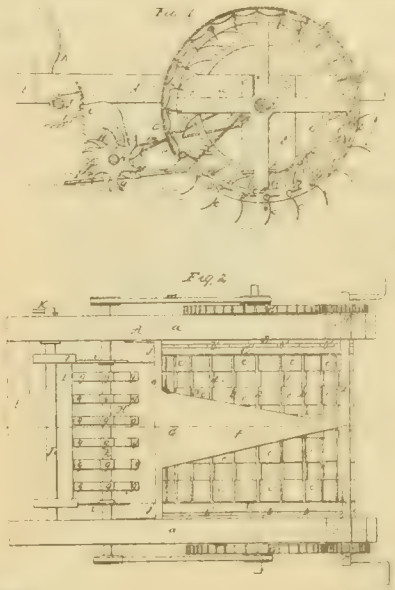
Steam Plow.

No. 38,676 Patented May 26, 1863.



Steam Plow.

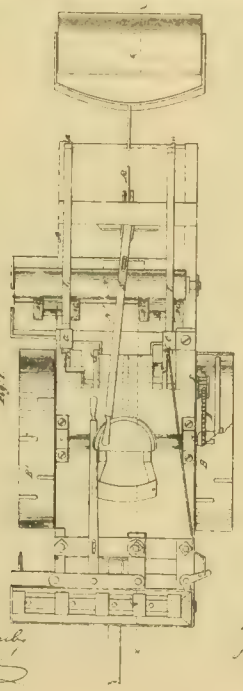
No. 38,976



Sheet 2 Sheets

J. L. Cole.

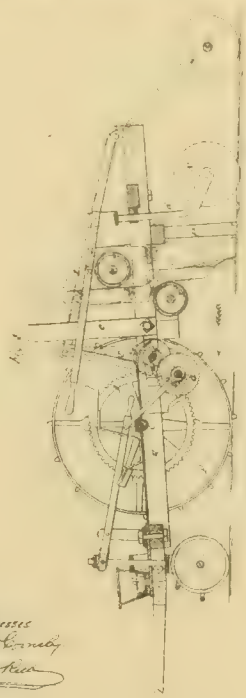
Steam Plow.



Witnesses

Inventor

Steam Plow.



Witnesses

Inventor

W. Wadsworth

Rotary Cultivator

No. 43,808. Patented Aug. 9, 1864.

Fig. 1

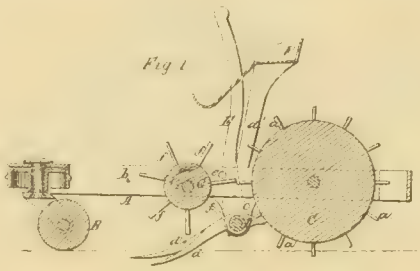
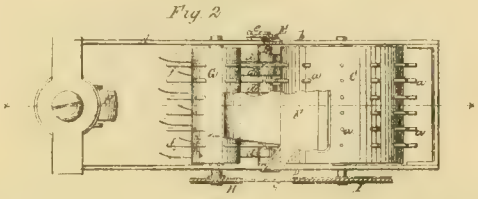


Fig. 2



Witnesses

Inventor

W. Wadsworth

Per Munn & Co

Attorneys

Sheet 1. 3 Sheets.

J. Hoadley

Steam Plow.

No. 43,913. Patented Aug. 23, 1864.

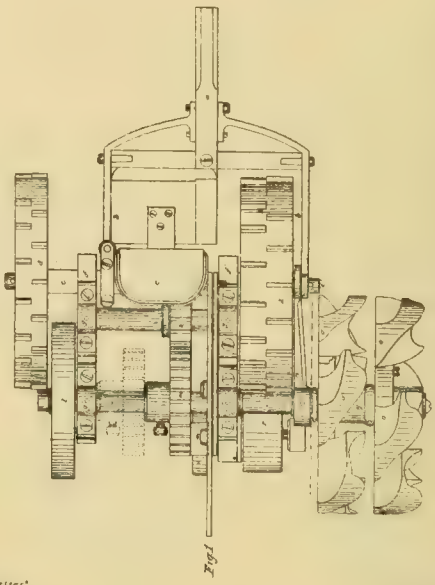


Fig. 1

Witnesses

Inventor

Sheet 2. 3 Sheets.

J. Hoadley

Steam Plow.

No. 43,913. Patented Aug. 23, 1864.

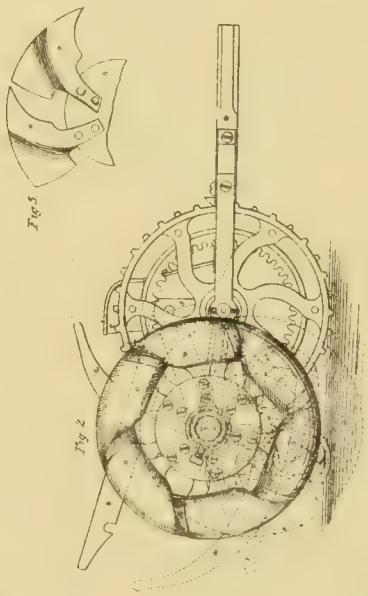


Fig. 3

Fig. 2

Witnesses

Inventor

Sheet 3. 3 Sheets.

J. Hoadley.

Steam Plow.

No. 43,913. Patented Aug. 23, 1864.

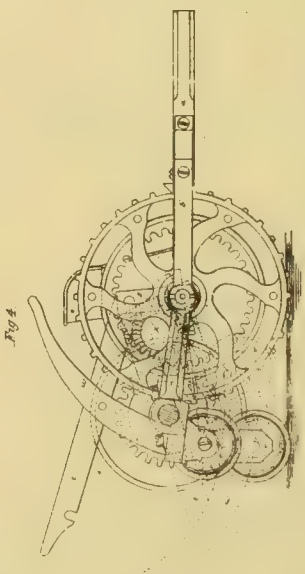


Fig. 4

Witnesses

Inventor

J. Johnson

Rotary Cultivator

No. 45,249. Patented Nov. 29 1864

Fig 1

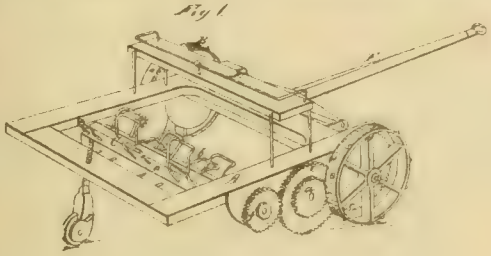
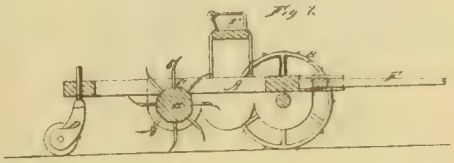


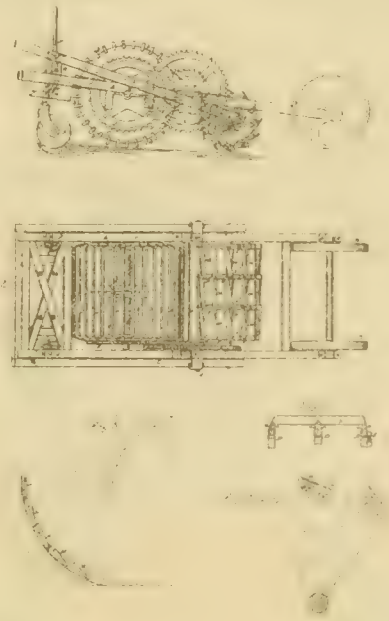
Fig 2



L. S. Fitchen

Steam Plow

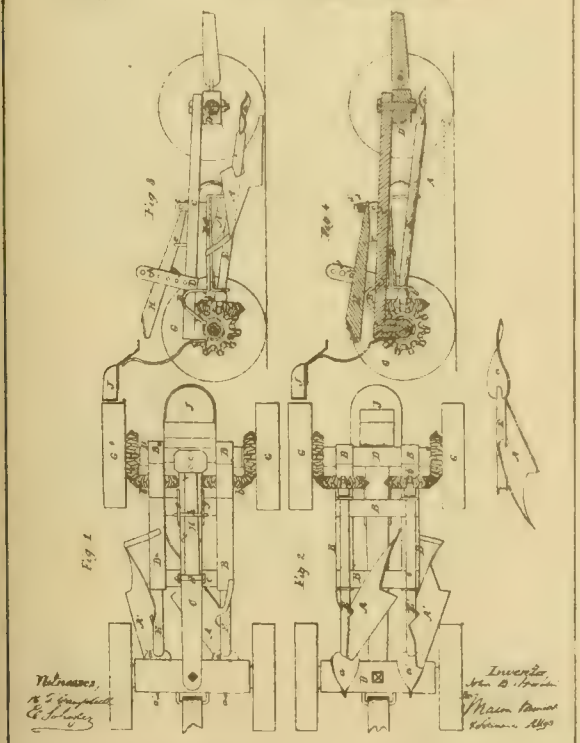
No. 46,048. Patented Jan. 24, 1865



J. B. Atwater.

Gang Plow.

No. 46,762 Patented Mar. 14, 1865



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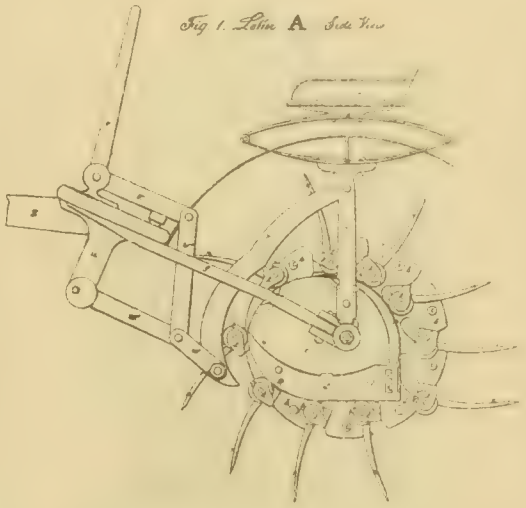
C. Cameron

Steam Plow

No. 46,995 Patented Mar. 28, 1865.

Fig 1. Letter A Side View



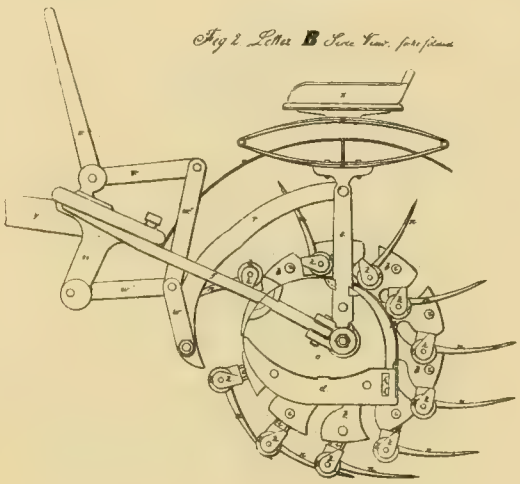
Sheet 2, 7 Sheets.

C. Comstock.

Steam Plow.

No. 46,995. Patented Mar. 28, 1865.

Fig. 2. Letter B. Side View, looking forward.



Witnesses.
J. Smith
A. Jones.

Inventor
C. Comstock
by Atty. Wm. T. Lovett

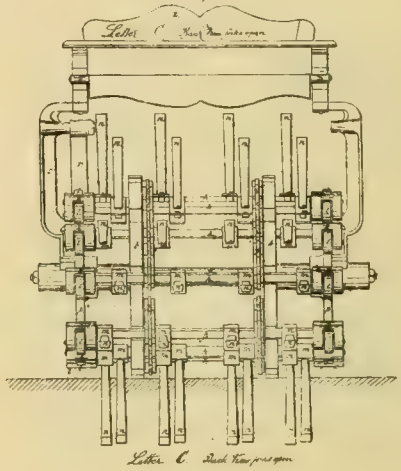
Sheet 3, 7 Sheets.

C. Comstock.

Steam Plow.

No. 46,995. Patented Mar. 28, 1865.

Fig. 3.



Letter C. Back View looking upon.

Witnesses.
J. Smith
A. Jones

Inventor
C. Comstock
by Atty. Wm. T. Lovett

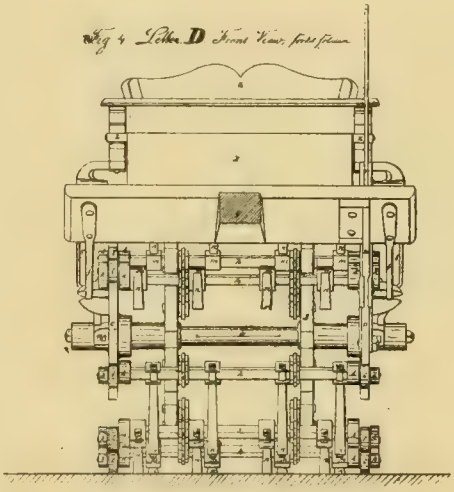
Sheet 4, 7 Sheets.

C. Comstock.

Steam Plow.

No. 46,995. Patented Mar. 28, 1865.

Fig. 4. Letter D. Front View, looking forward.



Witnesses
J. Smith
A. Jones

Inventor
C. Comstock
by Atty. Wm. T. Lovett

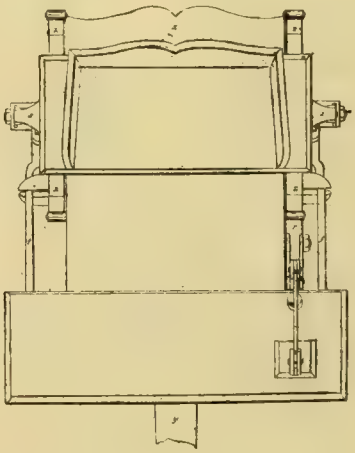
Sheet 5, 7 Sheets.

C. Comstock.

Steam Plow.

No. 46,995. Patented Mar. 28, 1865.

Fig. 5. Letter E. Top View.



Witnesses
J. Smith
A. Jones

Inventor
C. Comstock
by Atty. Wm. T. Lovett

Sheet 1 Sheet

C. Comstock.

Steam Plow.

No. 46,995. Patented Mar. 28, 1865.

Fig. 3 — Fig. F Sectional Plate

Witnesses

Inventor

Sheet 1 Sheet

C. Comstock.

Steam Plow.

No. 46,995 Patented Mar. 28, 1865.

Fig. 1 Fig. G

Witnesses

Inventor

L. S. Fitman

Rotary Cultivator.

No. 47,005 Patented Mar. 28, 1865.

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Witnesses

Inventor

Sheet 1, 3 Sheets.

H. Stanley.

Steam Plow.

No. 47,996 Patented May 30, 1865.

Fig. 1

Witnesses

Inventor

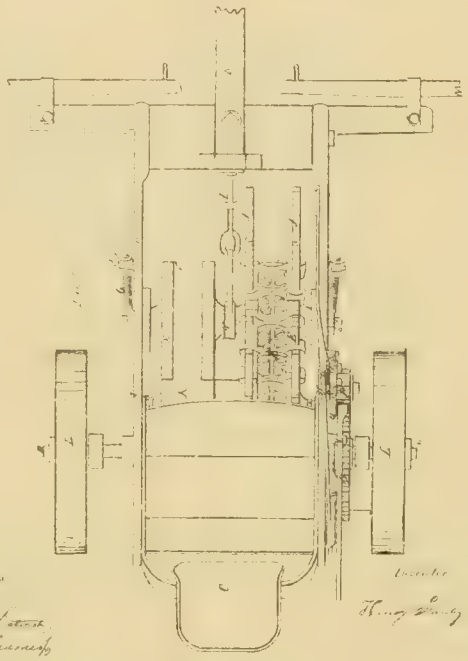
Henry Stanley

Sheet 2. 3 Sheets.

H. Stanley.

Steam Plow.

No. 47,996. Patented May 30, 1865.



Witnesses

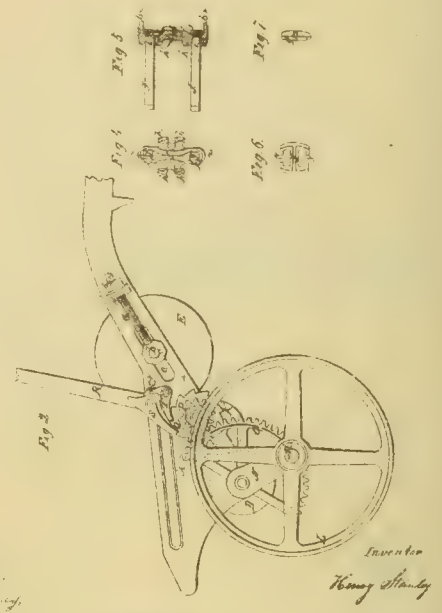
Inventor

Sheets 3 Sheets

H. Stanley.

Steam Plow.

No. 47,996. Patented May 30, 1865.



Witnesses

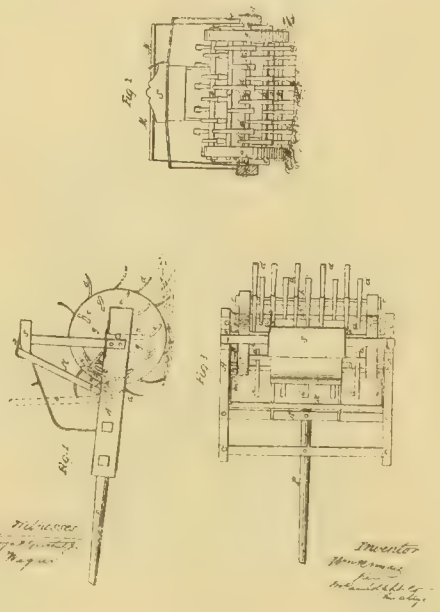
Inventor

Henry Stanley

W. R. Mears.

Spading Mach.

No. 49,642. Patented Aug. 29, 1865.



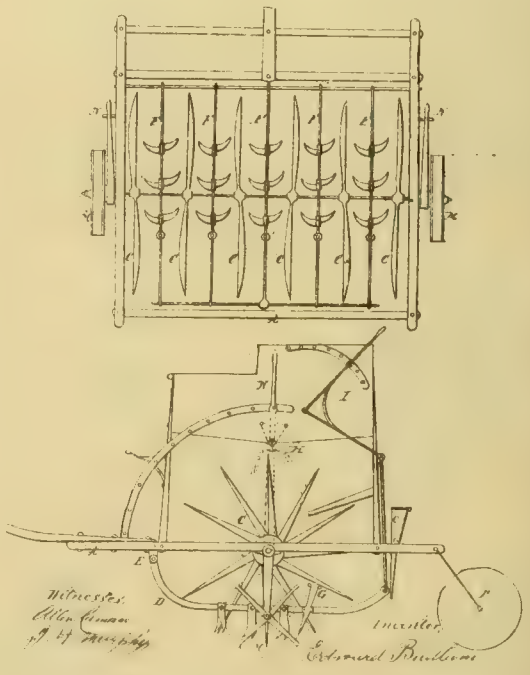
Witnesses

Inventor

E. Badlam.

Rotary Cultivator.

No. 50,438. Patented Oct. 17, 1865.



Witnesses.

Inventor.

Edmund Badlam

C. Sadley

Rotary Cultivator.

No. 51,757. Patented Dec. 26, 1865.

Fig. 1

Fig. 2

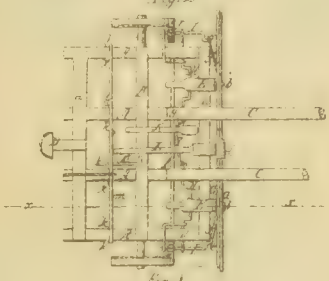
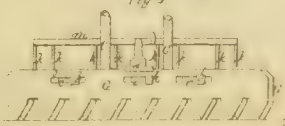


Fig. 3



Witnesses,

Inventor,

No. 52,196. Patented Feb. 6, 1866

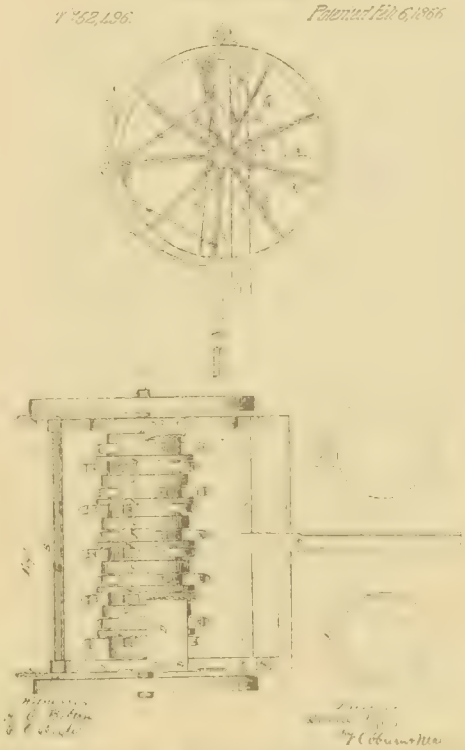


Fig. 3

Witnesses

Inventor

Rotary Cultivator

No. 53,577.

Fig. 1

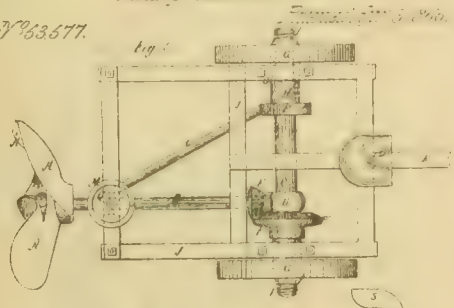


Fig. 2

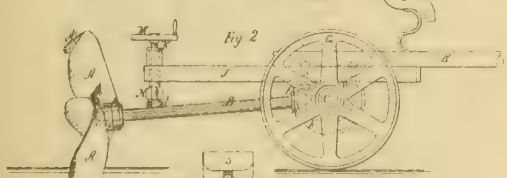
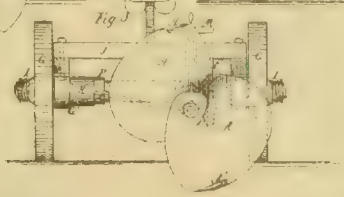


Fig. 3



Witnesses

Inventor

Steam Plow

No. 57,242. Patented Aug. 14, 1866.

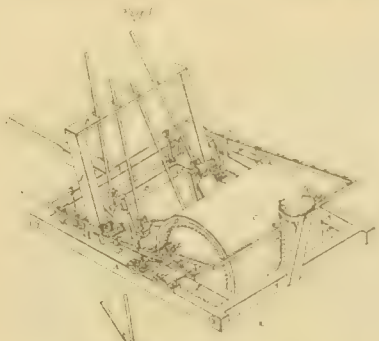


Fig. 2

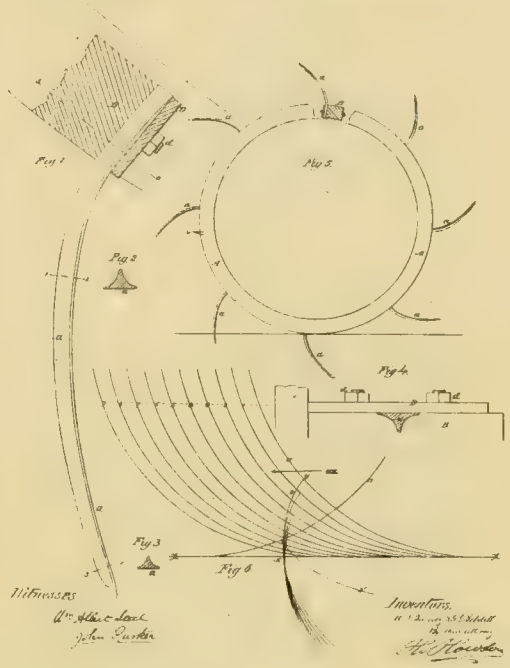
Witnesses

Inventor

Quincy & Lovell.

Steam Plow

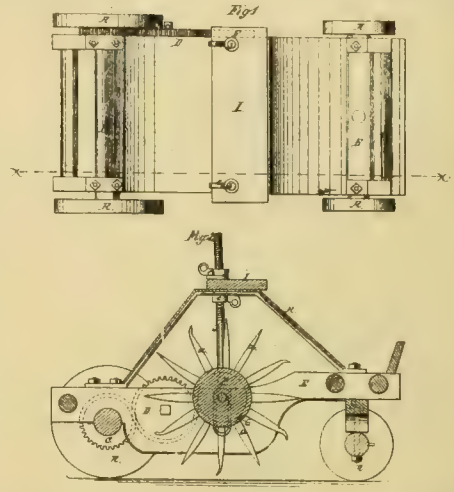
No. 58,289 Patented Sep. 25, 1866.



A. Thompson.

Rotary Cultivator.

No. 58,319. Patented Sep. 25, 1866.

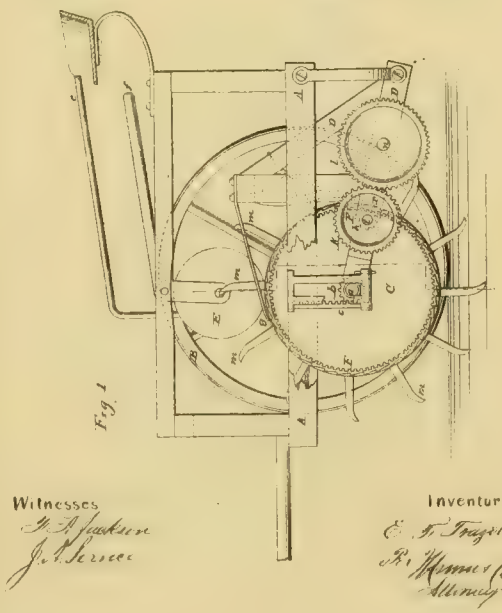


Sheet 2 Sheets

E. J. Frazer

Rotary Cultivator

No. 58,545. Patented Oct. 2, 1866.

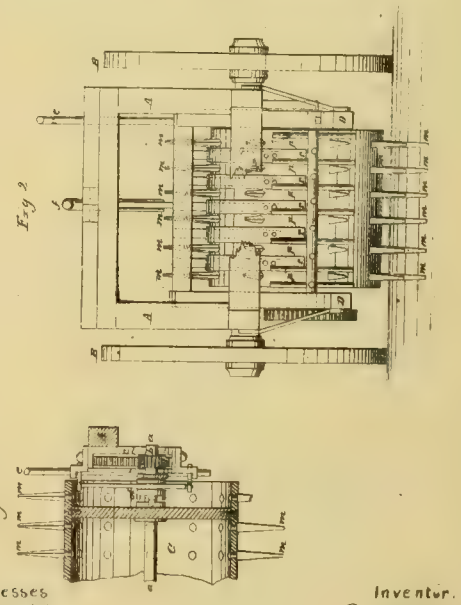


Sheet 2 Sheets

E. J. Frazer

Rotary Cultivator

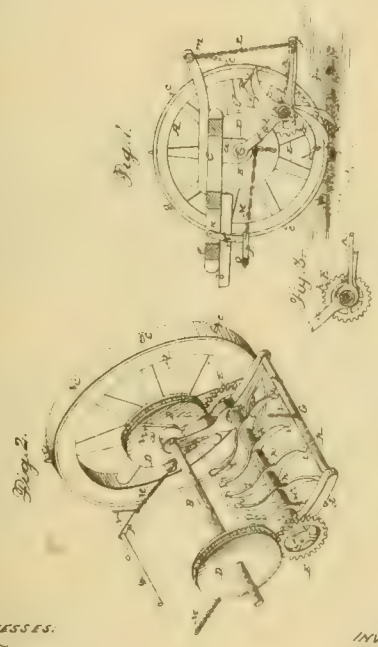
No. 58,543. Patented Oct. 2, 1866.



J. C. FITZGERALD.

Rotary Cultivator.

No. 60,164. Patented Dec. 4, 1866



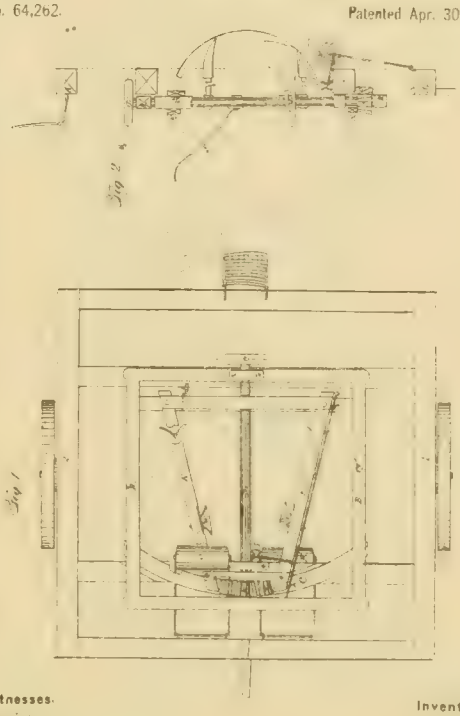
WITNESSES.

INVENTOR.

J. P. TARNUTZER.

Rotary Cultivator.

No. 64,262. Patented Apr. 30, 1867



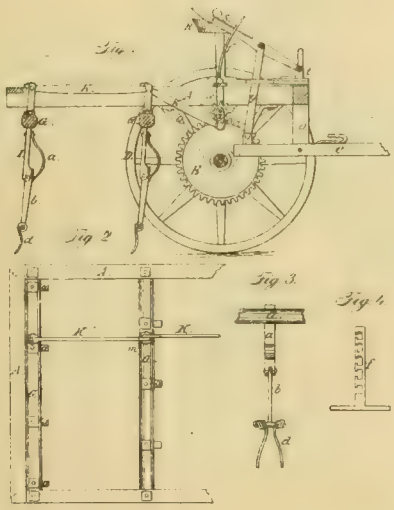
Witnesses.

Inventor.

SCHULTZ & ADAMS.

Rotary Cultivator.

No. 64,580. Patented May 7, 1867.



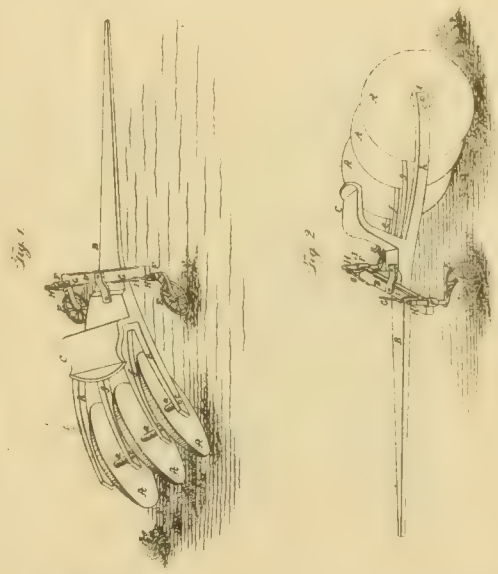
Witnesses.

Inventor.

M. A. & I. M. CRAVATH

Rotary Cultivator

No. 66,802 Patented July 16, 1867



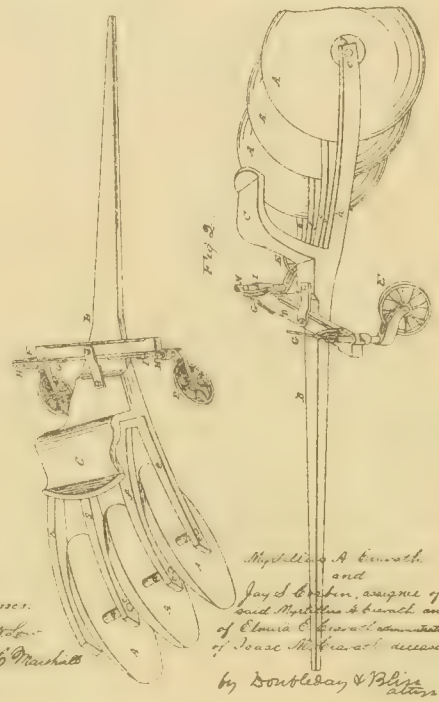
Witnesses.

Inventor.

M. A. CRAVATH & I. M. CRAVATH, dec'd.,
J. S. CORBIN assignee of said M. A. CRAVATH and E. E. CRAVATH, administratrix of I. M. CRAVATH

Revolving Plow.

No. 9,603. Reissued March 15, 1881.



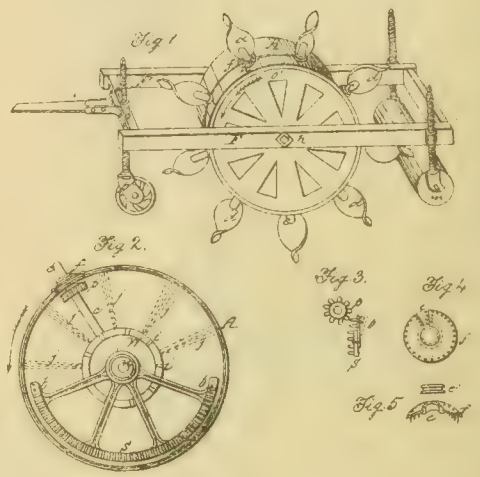
Witnesses:
A. Hoe
L. W. Marshall

Myrillus A. Cravath
and
Jay S. Corbin, assignee of
said Myrillus A. Cravath and
of Elmira E. Cravath administratrix
of Isaac M. Cravath deceased.
by Doubleday & Bliss
attys

E. T. RUSSELL

Rotary Cultivator

No. 68,410 Patented Sept. 3, 1867



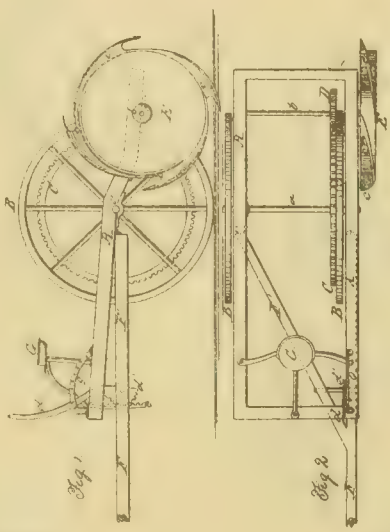
Witnesses:
E. T. Russell
J. H. Weatherby

Inventor
E. T. Russell.

H. BERKSTRESSER.

Rotary Cultivator.

No. 6[illegible],689 Patented Sept. 10, 1867.



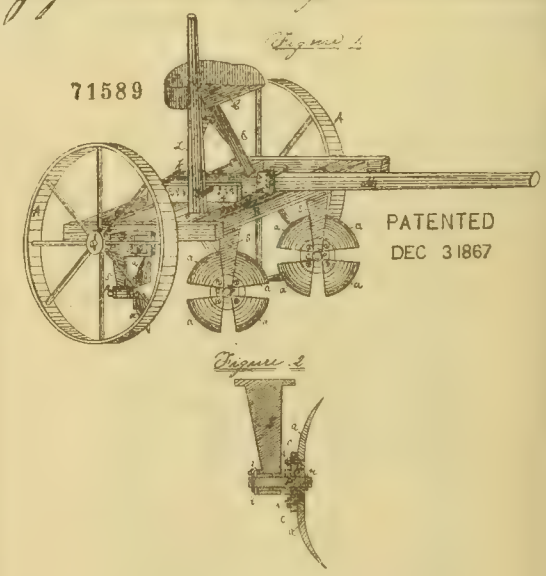
Witnesses
Geo. Fische
J. Lawrence

Inventor:
H. Berkstresser
Per Munn & Co
Attorneys.

Jay Benemore's Rotating Tooth Cultivator

71589

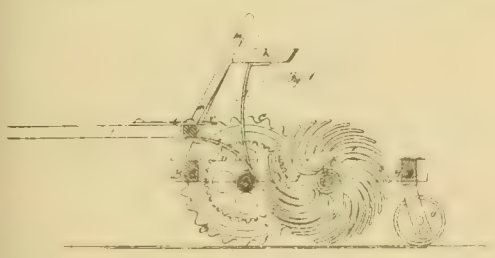
PATENTED
DEC 3 1867

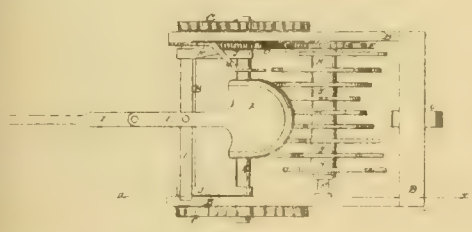


Witnesses
L. Spencer
Thomas Bell

Inventor
Jay Benemore

W. H. Chamberlin
Potato Digger
No. 74,991 Patented March 3, 1868



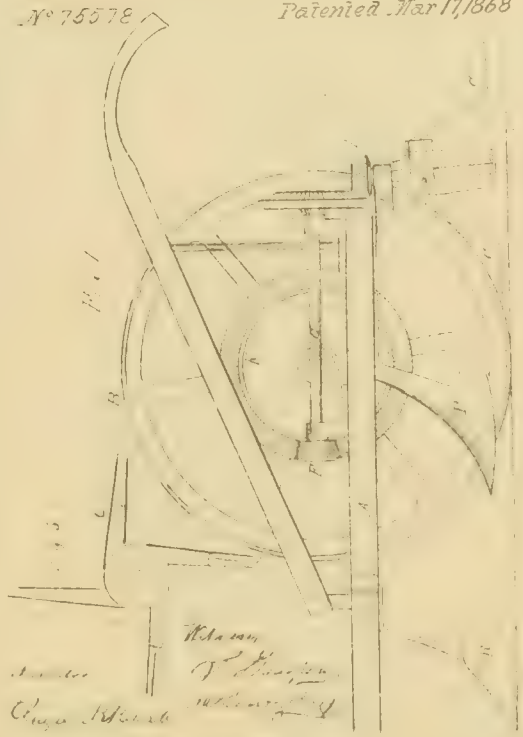


Witnesses

Inventor

Sheet 1. 2 Sheets

E. B. Roberts
Cultivator.
No. 75,578 Patented Mar. 17, 1868

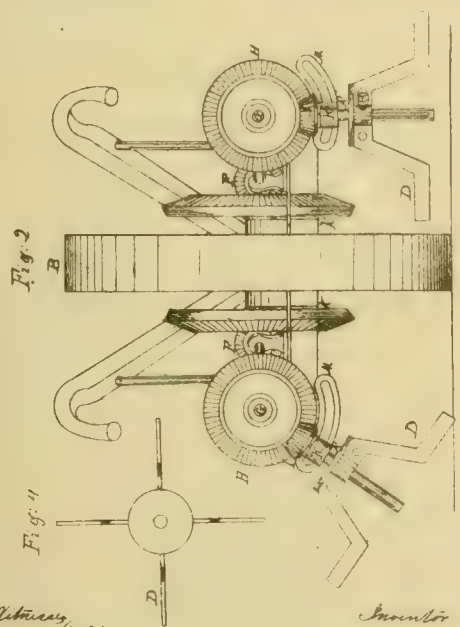


Witnesses

Inventor

Sheet 2. 2 Sheets

E. B. Roberts
Cultivator.
No. 75,578 Patented Mar. 17, 1868



Witnesses
L. Thompson
J. Lenz

Inventor
Elazer R. Roberts

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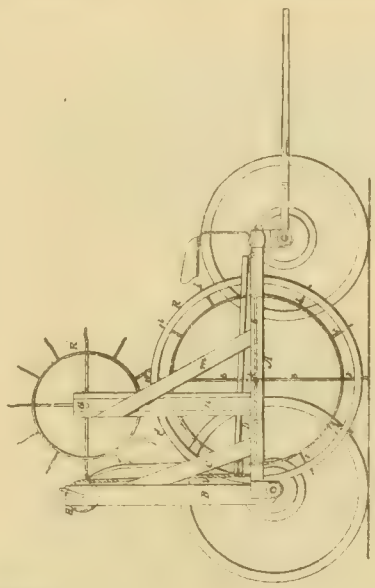


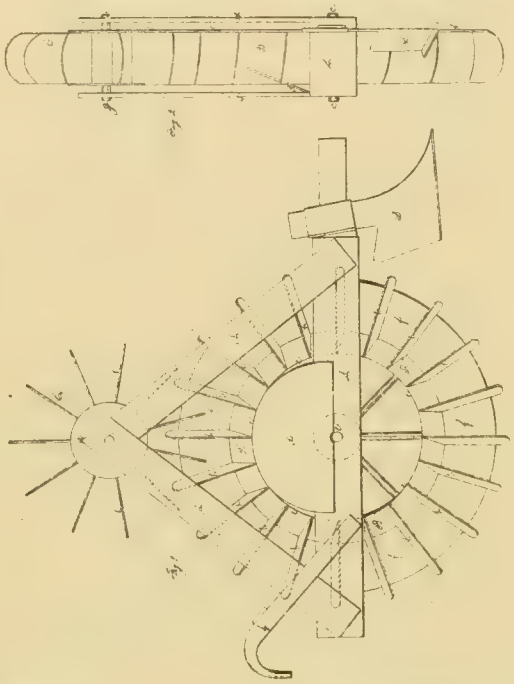
Witnesses

Inventor
J. W. Huber
& J. H. Alexander

Langdon & Chambess.

Rotary Cultivator.

No. 78031 Patented May 19 1868.



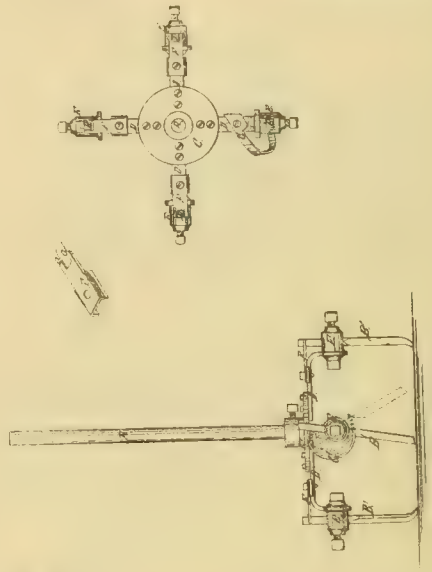
Witnesses
Jacob Tafft

Inventors
John Langdon
Chas. Chambess
per Munn & Co
Attys

P. H. Sturdevant.

Rotary Cultivator

No 78,260. Patented May 26 1868.



Witnesses
Geo. H. Strong
C. M. Smith.

Inventor
Philander H. Sturdevant

H. P. Eckles.

Rotary Cultivator.

No 78,442. Patented Jun 2, 1868.

Fig 1

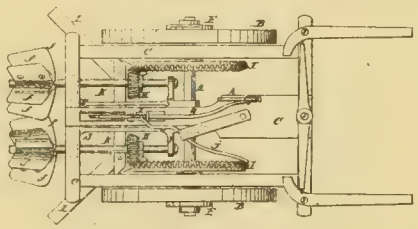


Fig 2

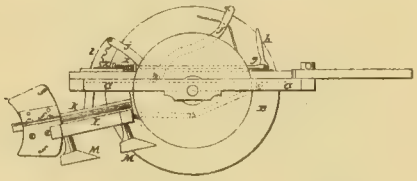


Fig 3

Witnesses
Wm. Hamilton
W. Stockbridge

Inventor
H. P. Eckles
per Miranda Musson
Atty

G. W. Cooper.

Rotary Cultivator

No 80,604. Patented Aug 4. 1868.

Fig 1

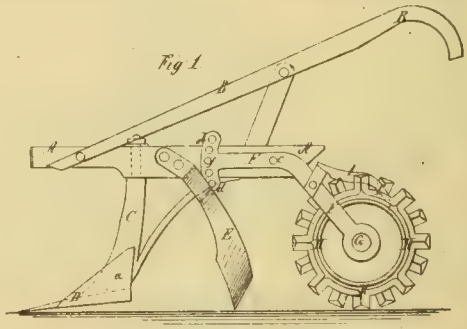
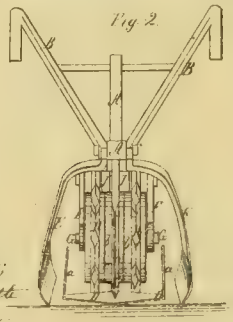


Fig 2



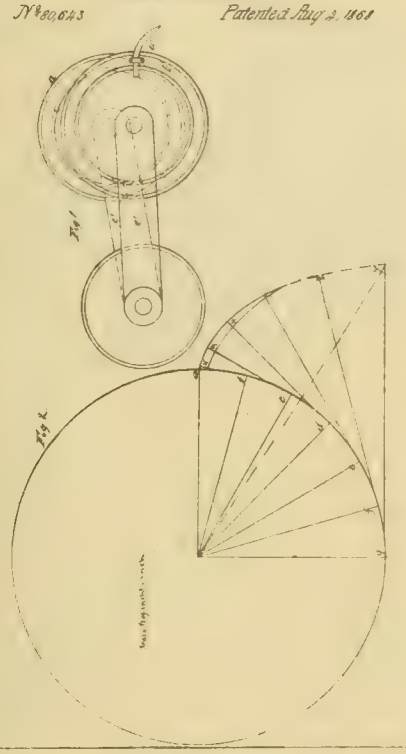
Witnesses;
C. H. Burkett
J. A. Serrine.

Inventor;
G. W. Cooper
per Munn & Co
Attorneys

G. F. Lynch

Rotary Cultivator

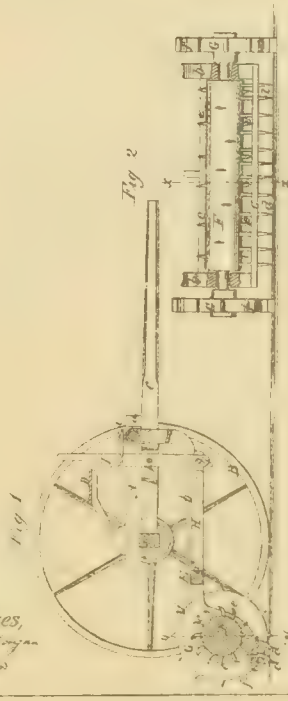
No. 80,643 Patented Aug. 4, 1868



C. Berninger

Rotary Cultivator

No. 81,333. Patented Aug. 25, 1868

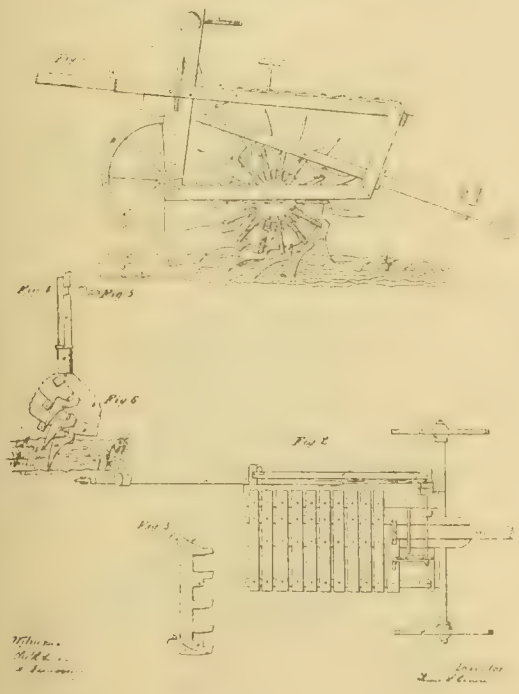


Witnesses,

Inventor

F. L. Cagwin

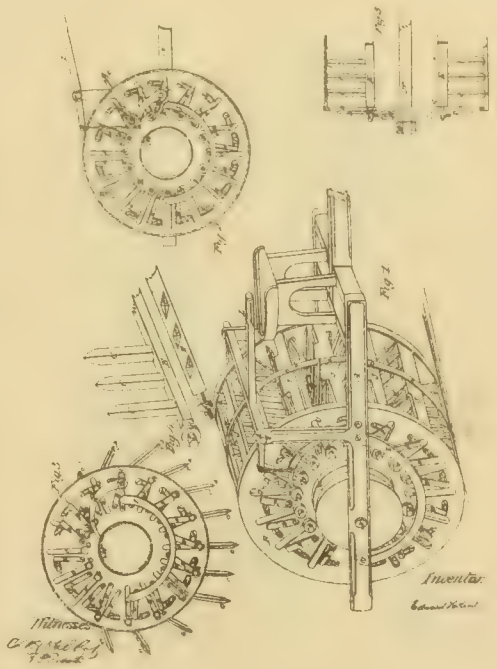
Rotary Cultivator



E. H. Kent

Rotary Cultivator

No. 85,639 Patented Nov. 3, 1868



Inventor

Witnesses

A. F. Stoner.

Rotary Cultivator.

No. [illegible] Patented Nov. 10, 1868.

Fig. 1

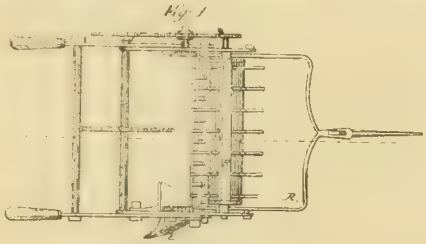
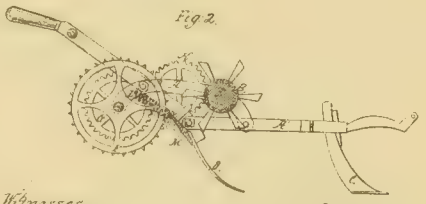


Fig. 2.



Witnesses

Inventor.

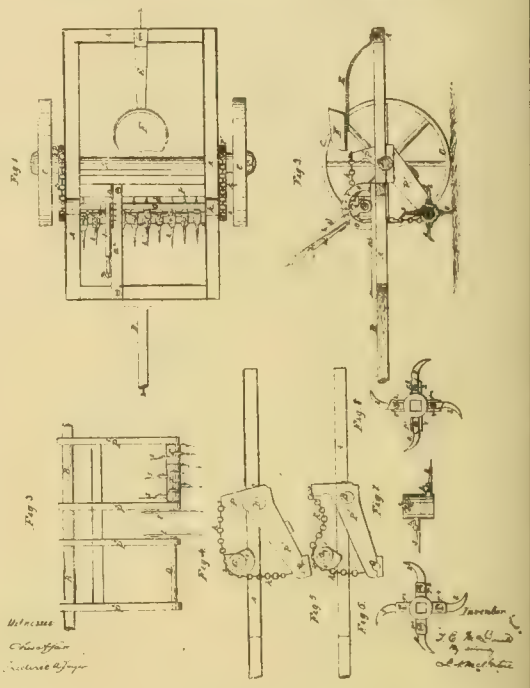
Alfred F. Stoner

By Daniel Breed Atty

T. E. McDonald.

Rotary Cultivator.

No. 84,430. Patented Nov. 24, 1868



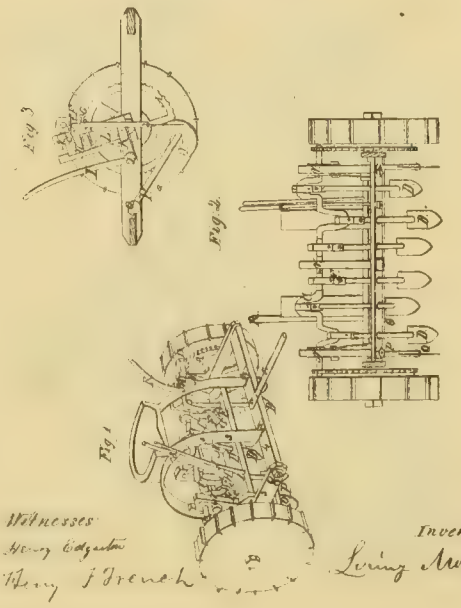
Witnesses

Inventor

L. Moody.

Rotary Cultivator.

No. 85,016 Patented Dec. 15, 1868.



Witnesses

Henry Edgerton

Henry J. French

Inventor.

Loring Moody

A. J. Stephens.

Cultivator.

No. 87,721. Patented Mar. 9. 1869.

Fig. 1

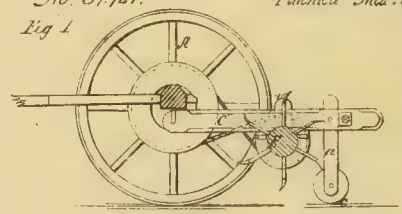
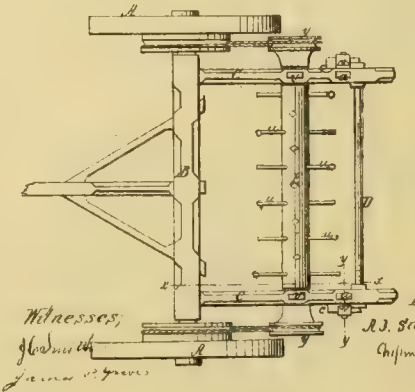


Fig. 3

Fig. 2



Witnesses,

Inventor,

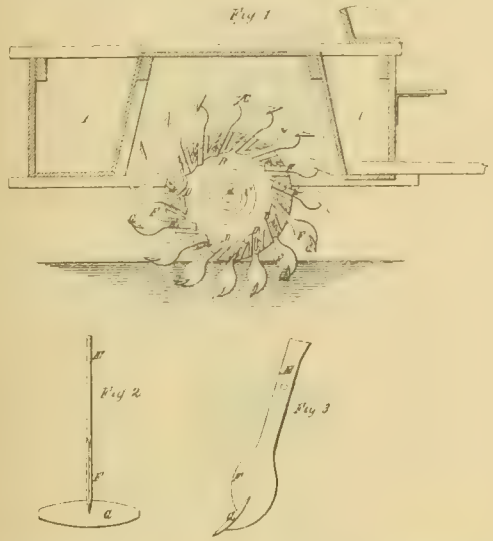
A. J. Stephens

Crispin Hasmer Atty

F. C. Cone.

Thresher.

No. 88,368. Patented Mar. 30, 1869.



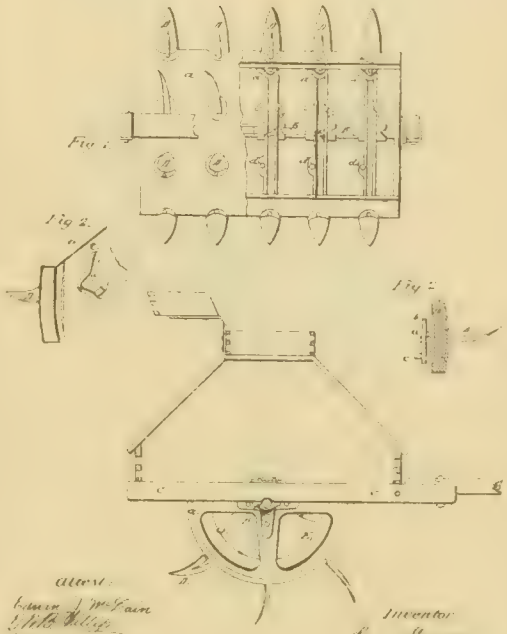
Witnesses:
Geo. H. Strong
J. H. Frost

Inventor:
Francis C. Cone
by his atty.
Dewey & Co.

L. Sherwood.

Spading Mach.

No. 92,756 Patented Jul. 20 1869.



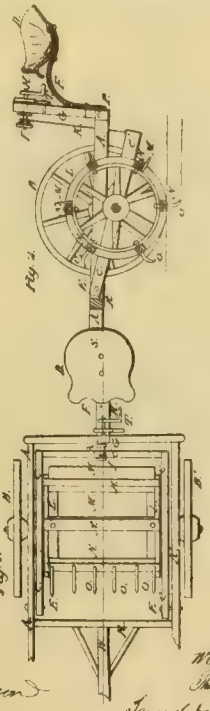
Witnesses:
Lyman J. McVain
J. Wilkes Phillips

Inventor:
Lyman Sherwood
by Prindle & Piper
atty.

J. G. Johnson.

Cultivator and Stalk-Cutter.

No. 92,834 Patented Jul. 20 1869



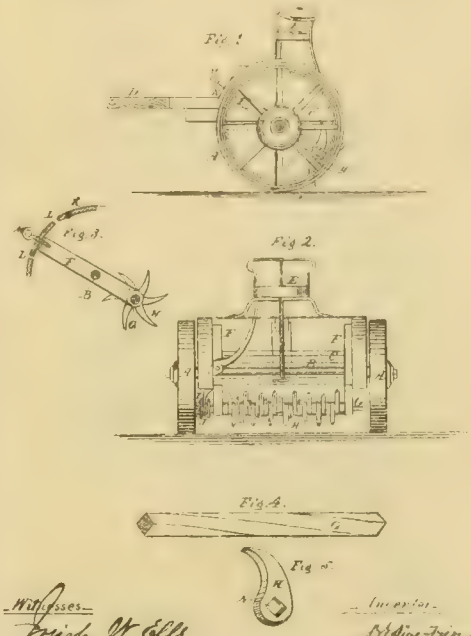
Inventor:
James G. Johnson

Witnesses:
Thos. H. Perkins
Samuel Jacob Wallace

B. E. Sivertsen.

Plow.

No. 93,238. Patented Aug. 3. 1869



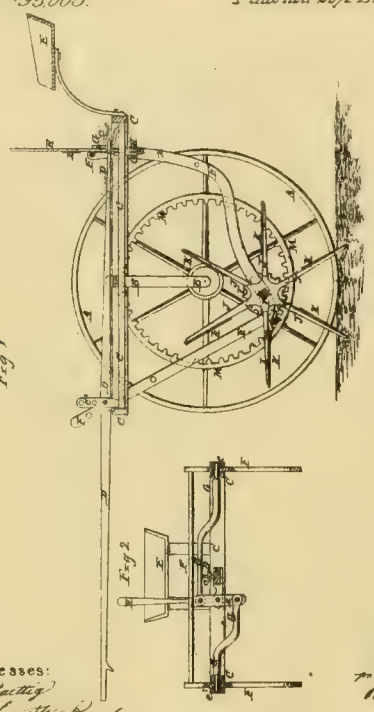
Witnesses:
Frederick W. Ellis
J. B. Whitney

Inventor:
B. Eliver Sivertsen

W. J. Dawson.

Rotary Cultivator.

No. 95,005. Patented Sep. 21, 1869.



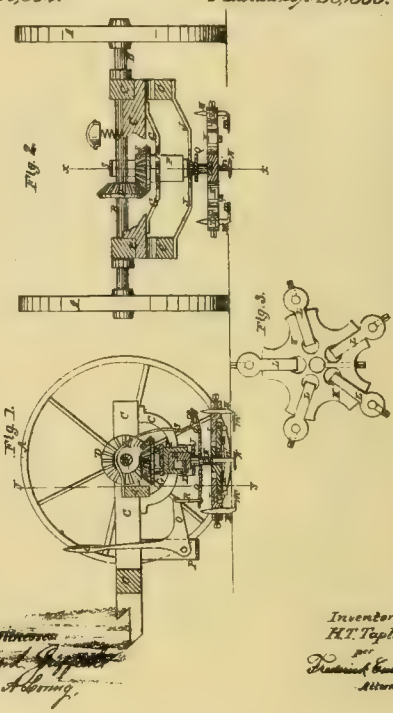
Witnesses:
C. Hartig
John H. Brooks

Inventor:
W. J. Dawson
per Munn & Co.
Attorneys.

H. T. Taplin.

Cultivator.

No. 95,394. Patented Sep. 28, 1869.



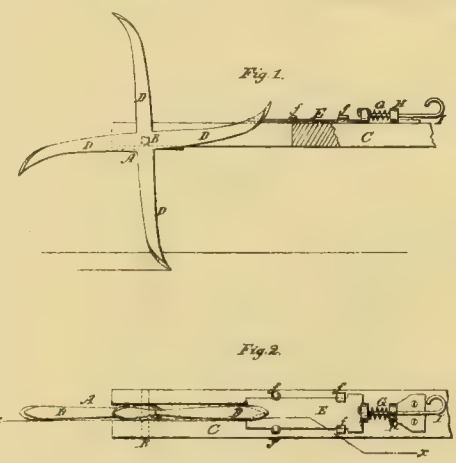
Witnesses:
Edward Gaylord
Geo. A. Strong.

Inventor:
H. T. Taplin.
per
Frederick Smith
Attorney.

T. Uehling,

Cultivator.

No. 95,956. Patented Oct. 19, 1869.



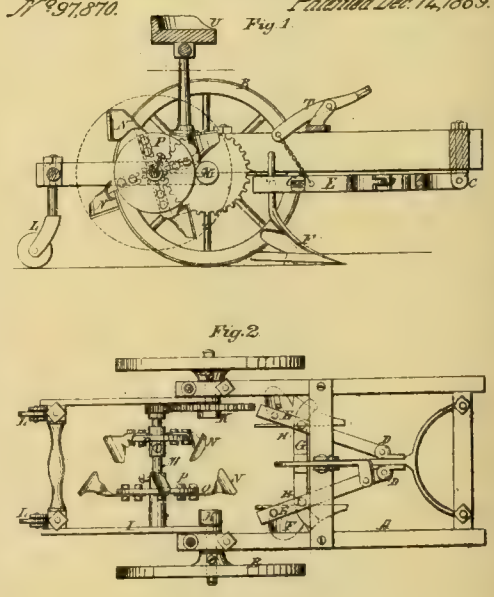
Witnesses
George W. Mabee
Oscar Reichmann.

Inventor.
T. Uehling.
per Munn & Co.
Attys.

J. W. Buck.

Cotton Cultivator.

No. 97,870. Patented Dec. 14, 1869.



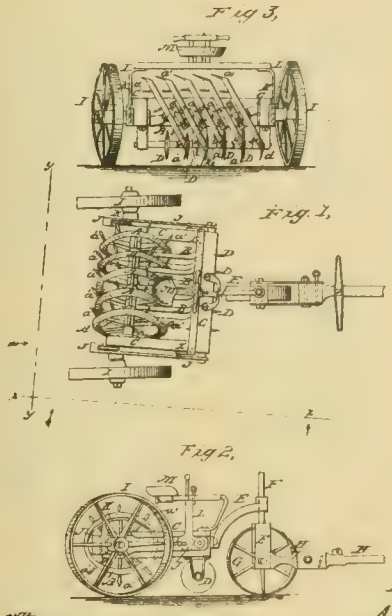
Witnesses.
Orlando
O. F. Clark.

Inventor.
J. W. Buck
Munn & Co.

A. BONDELI.

Plowing Machine.

98,017. Patented Dec. 21, 1869.



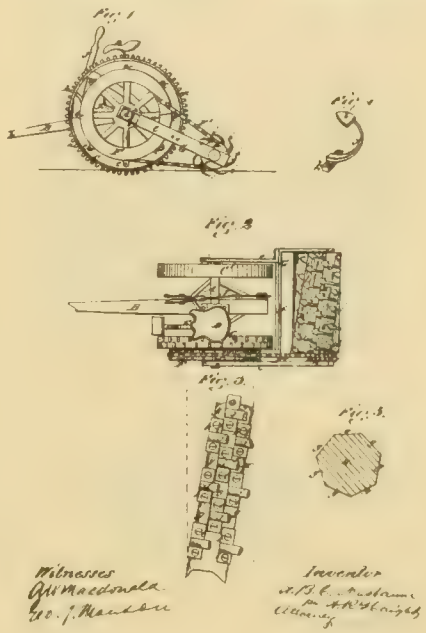
Witnesses:
A. W. Almquist
Alex. F. Roberts.

Inventor,
A. Bondeli.
Munn & Co.
Attorney

A. B. C. Nusbaum,

Rotary Cultivator.

No. 100,183. Patented Feb. 22, 1870.



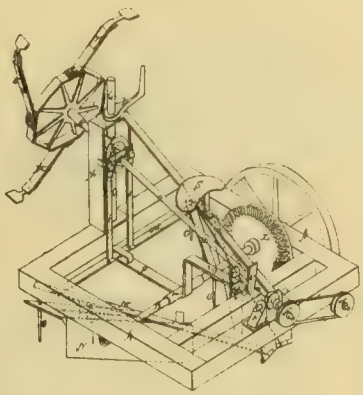
Witnesses
A. H. Macdonald
Geo. J. Maudsley

Inventor
A. B. C. Nusbaum
per A. W. Wright
Attorney

W. J. Andrews.

Rotary Cultivator.

No. 101,077. Patented Mar. 22, 1870.



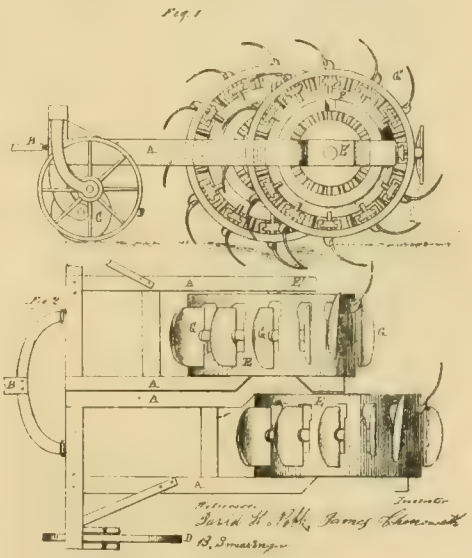
Witnesses
John A. Ellis
Henry H. Muller

Inventor
Wm. J. Andrews
per
J. H. Alexander
Atty

J. Chenoweth, 2 Sheets Sheet 1.

Rotary Cultivator.

No. 101,710 Patented Apr. 19, 1870.



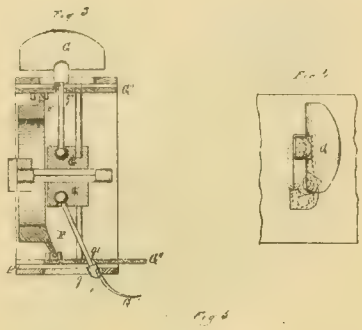
Witnesses
David H. Polk
B. Swearingen

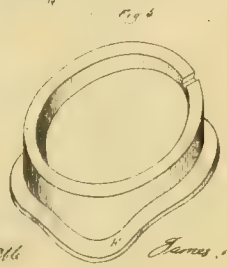
Inventor
Jerry Chenoweth

J. Chenoweth, 2 Sheets, Sheet 2

Rotary Cultivator.

No. 101,710 Patented Apr. 12, 1870.





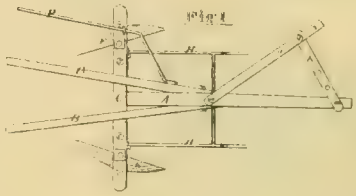
Witnesses:
David H. Noble
B. Stewart

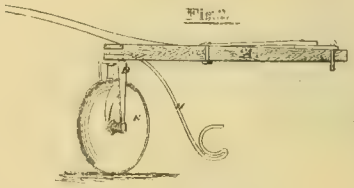
Inventor
James Chenoweth

M. Johnson,

Cultivator

No. 105,460 Patented July 12, 1870.





Witnesses:
Chas. Hinger
Geo. P. Maxi

Inventor.
Moses Johnson
Chapman & Hornsby
Attorneys

G. S. Newson,

Cultivator.

No. 106,195. Patented Aug. 9, 1870.

Fig. 1.

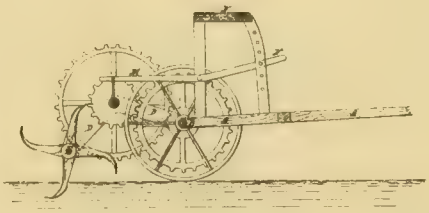
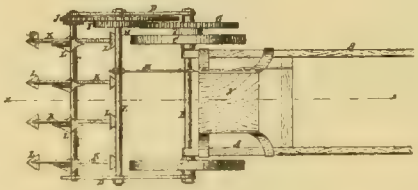


Fig. 2.



Witnesses:
H. Hemmingway
B. S. Walker

Inventor:
G. S. Newson
Per Munn & Co
Attorneys

E. Bourne,

Rotary Cultivator.

No. 107,818. Patented Sept. 13, 1870.

Fig. 1

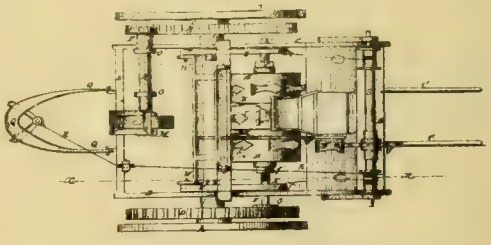


Fig. 2

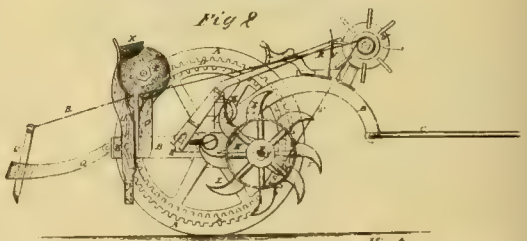


Fig. 5

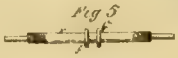
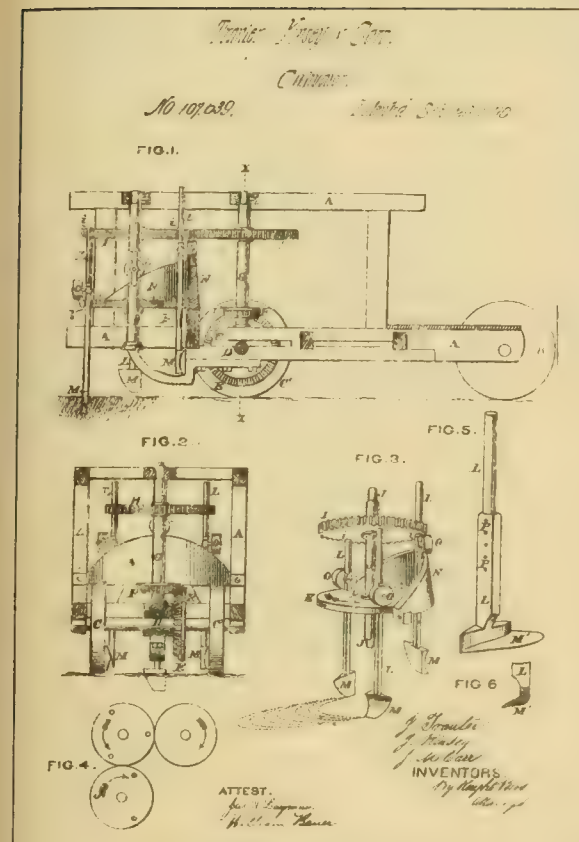


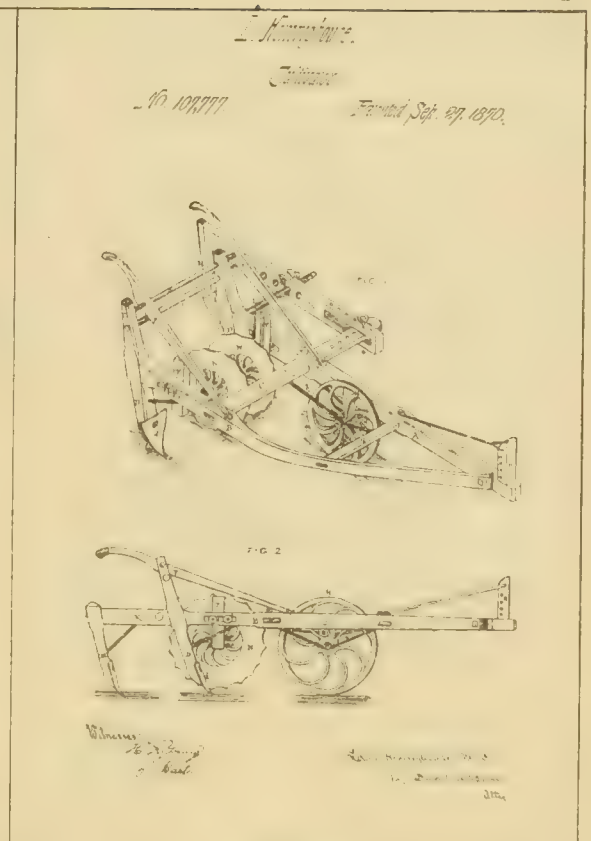
Fig. 3

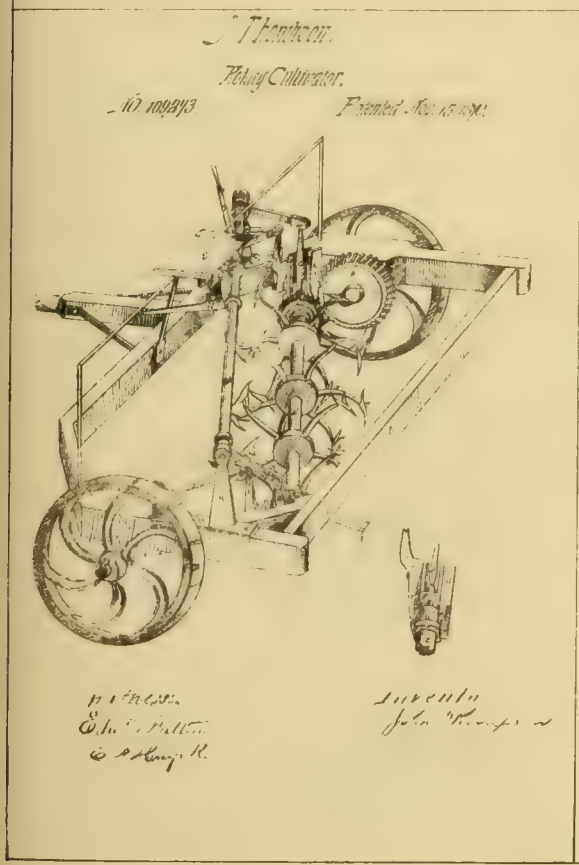
Fig. 4

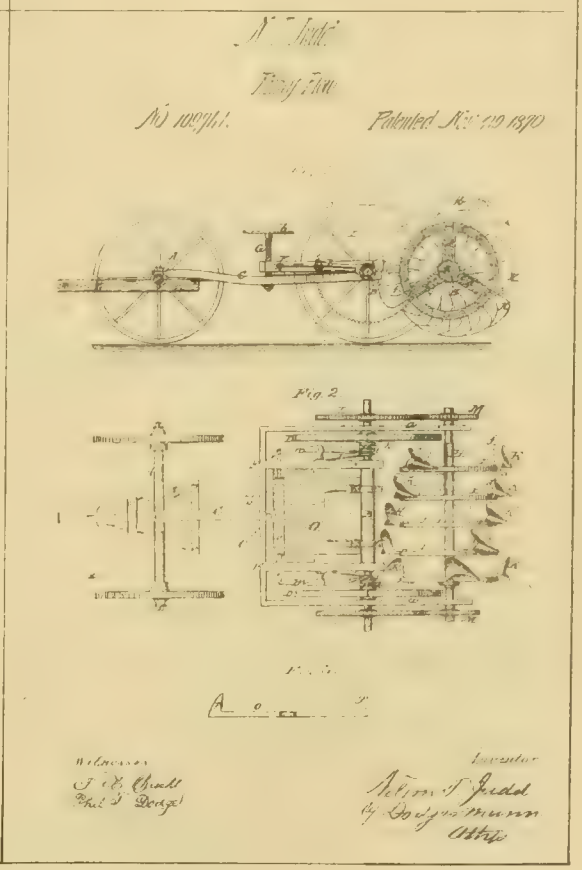
Witnesses:
A. W. Hinquab
Alex. T. Roberts

Inventor:
E. Bourne
Per Munn & Co
Attorneys.


No 107,039.
FIG. 1.
FIG. 2.
FIG. 3.
FIG. 4.
FIG. 5.
FIG 6
ATTEST.
INVENTORS


No 107,777
Patented Sept. 27, 1870.
FIG. 2


Rotary Cultivator.
No 109,943.
Patented Nov. 15, 1870.

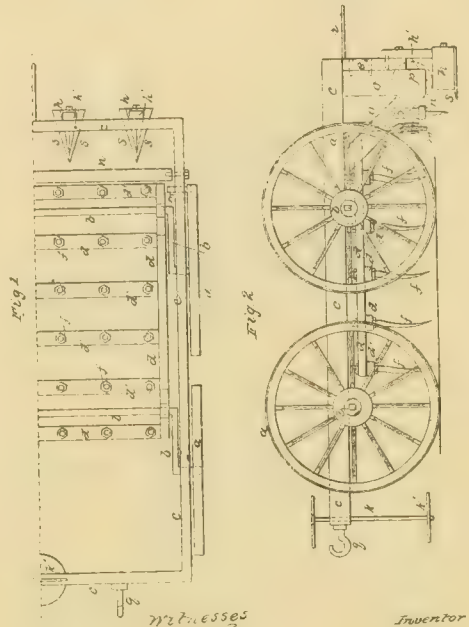

No 109,711.
Patented Nov. 29 1870
Fig. 2

2 Sheets—Sheet 1.

H. BELMONT.

Wheel Cultivator.

No. 110,109. Patented Dec. 13, 1870.



Witnesses
W. T. Gillen
G. F. Stefan

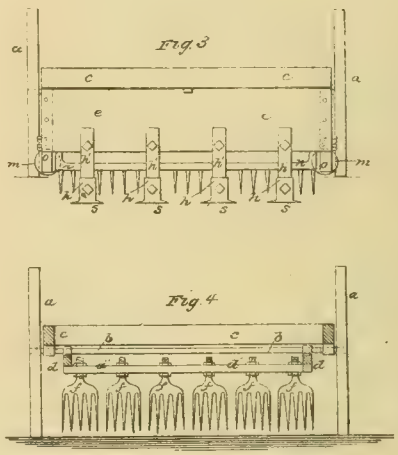
Inventor
Henry Belmont

2 Sheets—Sheet 2.

H. BELMONT.

Wheel Cultivator.

No. 110,109. Patented Dec. 13, 1870



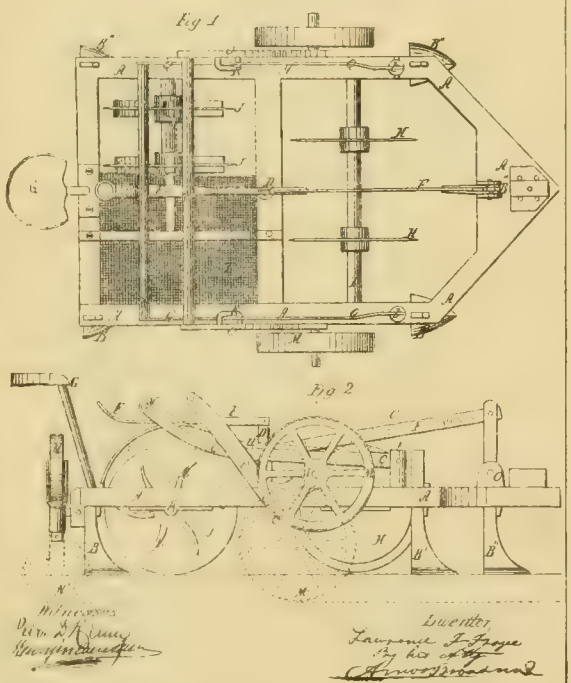
Witnesses
W. T. Gillen
G. F. Stefan

Inventor
Henry Belmont

L. F. Frazee.

Plow.

No. 112,913. Patented Mar. 21, 1871.



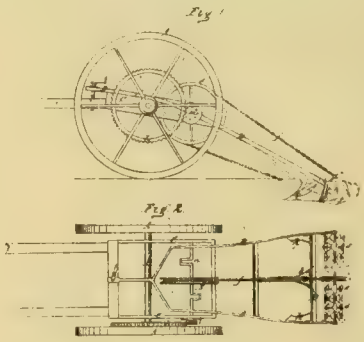
Witnesses
Geo. H. Kenny
Geo. Mundenhofer

Inventor,
Laurence F. Frazee
by his Atty
Amos Broadwell

J. R. Morris,

Rotary Plow.

No. 113,190. Patented Mar. 28, 1871.



Witnesses:
H. N. Seely
Thos. D. Orland

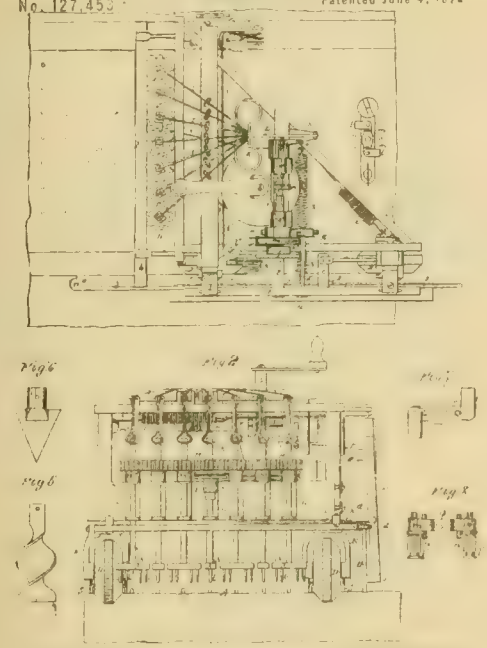
Inventor:
J. R. Morris
per
Munn & Co
Attorneys.

2 Sheets--Sheet 1

HENRY W. BOWEN.

Improvement in Automatic-Cultivators.

No. 127,453. Patented June 4, 1872



Witnesses

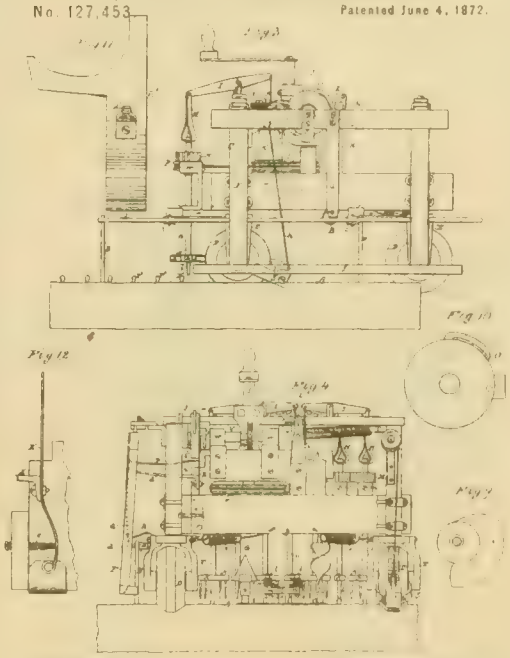
Henry W. Bowen

2 Sheets—Sheet 2.

HENRY W. BOWEN.

Improvement in Automatic-Cultivators.

No. 127,453. Patented June 4, 1872.



Witnesses

Henry W. Bowen

E. T. BUSSELL.

Improvement in Discs for Agricultural Implements.

No. 127,677. Patented June 11, 1872.

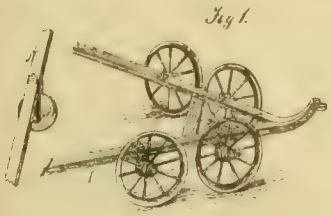


Fig. 1.

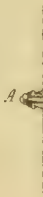


Fig. 2.

Fig 3

Witnesses

A. Cuppert

Inventor

Eustus T. Bussell

M. DECELLE.

Improvement in Rotary-Cultivator

No. 127,746. Patented June 11, 1872.

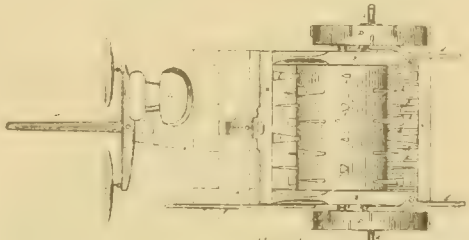


Fig. 1.

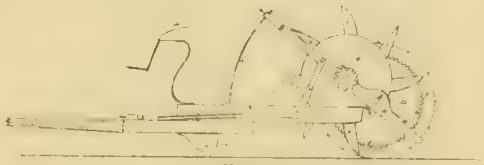


Fig. 2

Witness

Inventor

Abraham Decelle

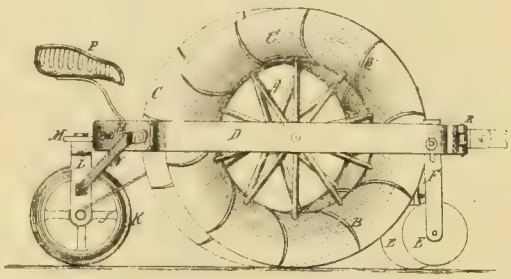
2 Sheets--Sheet 1.

E. T. BUSSELL

Revolving Disc Plows.

No. 128,588. Patented July 2, 1872

Fig. 1.



Witnesses
A. Rippert.
Joseph Forest

Inventor.
Erastus T. Bussell
By Theodore Munger
Attorney.

2 Sheets--Sheet 2

E. T. BUSSELL

Revolving Disc Plows.

No. 128,588. Patented July 2, 1872

Fig. 2

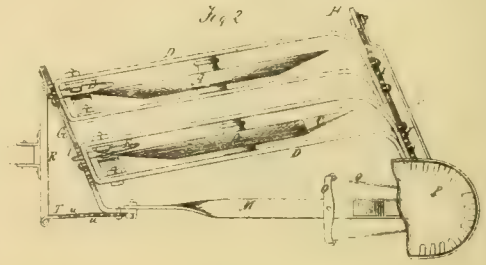
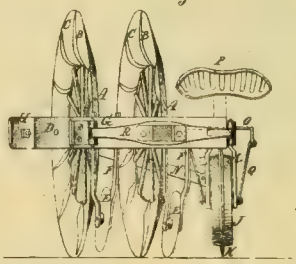


Fig. 3



Witnesses
A. Rippert.
Joseph Forest

Inventor
Erastus T. Bussell
By Theodore Munger
Attorney.

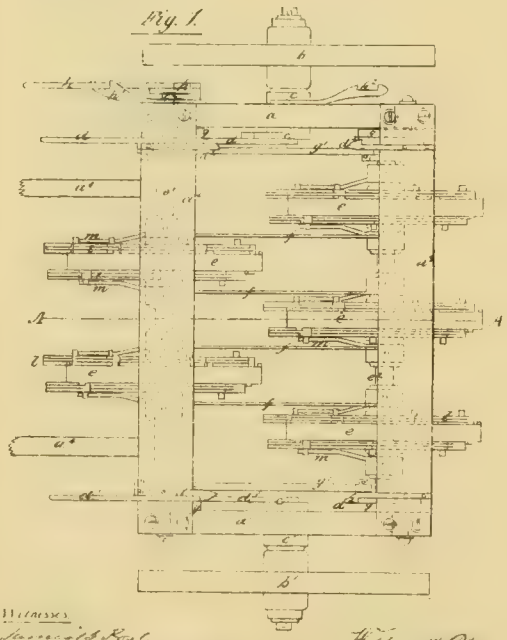
2 Sheets--Sheet 1.

W. E. BLEECKER.

Improvement in Rotary-Plows.

No 129,206. Patented July 16, 1872.

Fig. 1.



Witnesses
Francis B. Foote
James P. Monroe

Scale 1¼ in. - 1 ft.

William E. Bleecker
Inventor.

2 Sheets--Sheet 2

W. E. BLEECKER.

Improvement in Rotary-Plows.

No. 129,206. Patented July 16, 1872.

Fig. 2

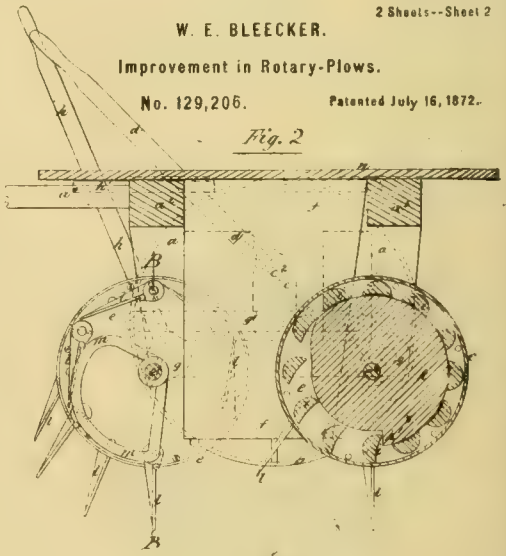
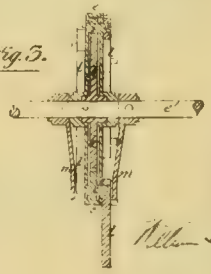


Fig. 3.



Witnesses
Francis B. Foote
James P. Monroe

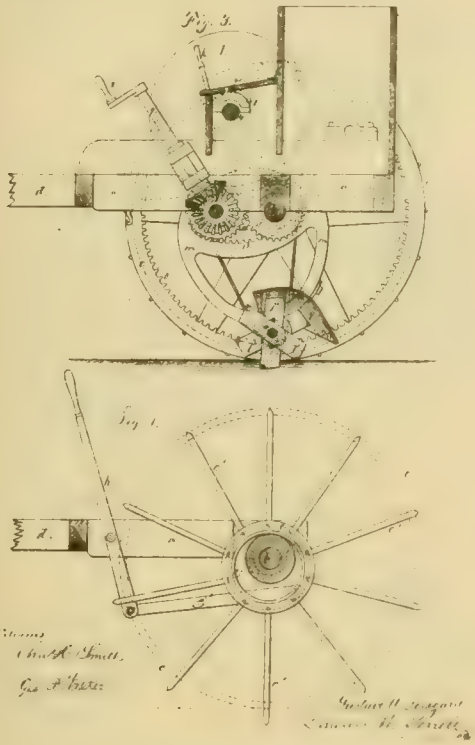
William E. Bleecker
Inventor

3 Sheets--Sheet 1

G. A. FORSGARD.

Improvement in Cultivators.

No. 131,160. Patented Sep. 10, 1872

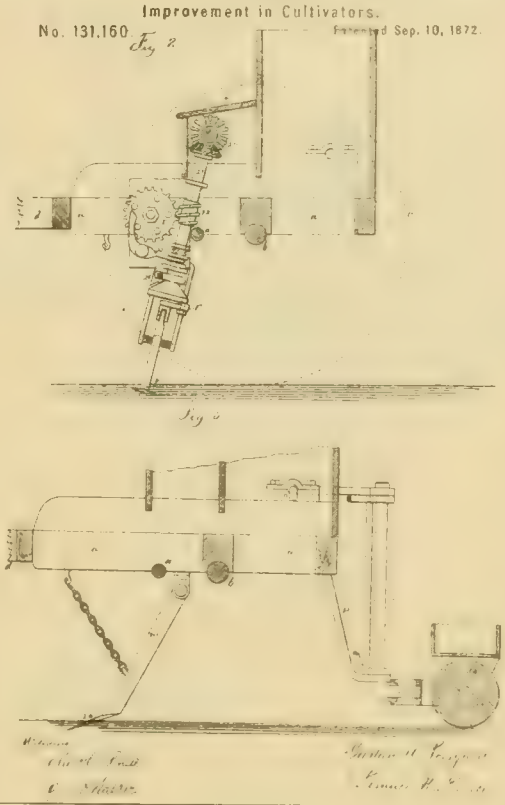


3 Sheets--Sheet 2.

G. A. FORSGARD

Improvement in Cultivators.

No. 131,160. Patented Sep. 10, 1872.

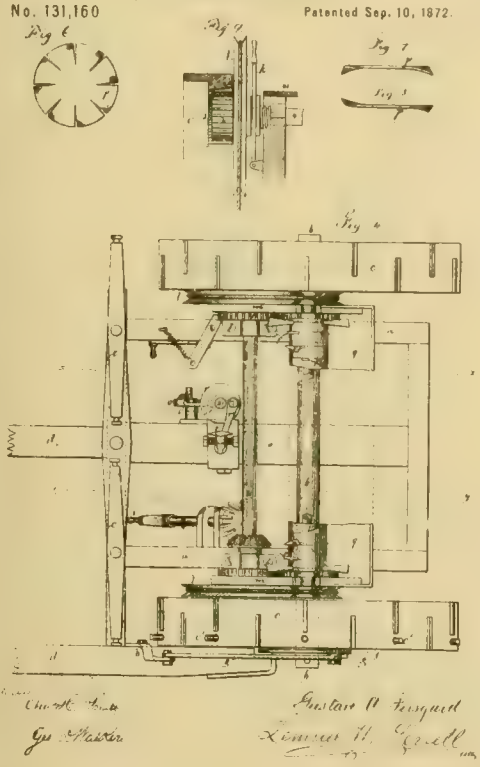


3 Sheets -Sheet 3.

G. A. FORSGARD.

Improvement in Cultivators.

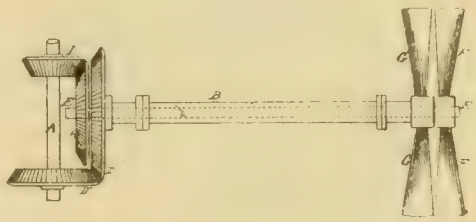
No. 131,160 Patented Sep. 10, 1872.



W. B. HYDE.

Rotary Sod-Cutter.

No. 131,401 Patented Sep. 17, 1872



Witnesses

Inventor

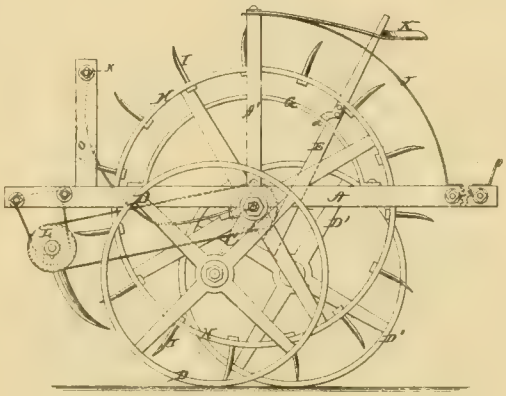
2 Sheets--Sheet 1.

J. W. MILROY

Rotary Cultivators.

No. 135,002. Patented Jan. 21, 1873.

Fig. 1.



Witnesses
John H. Ellis
Ann X. Ellis

Inventor
James W. Milroy
per
J. H. Alexander & Co.
Attys.

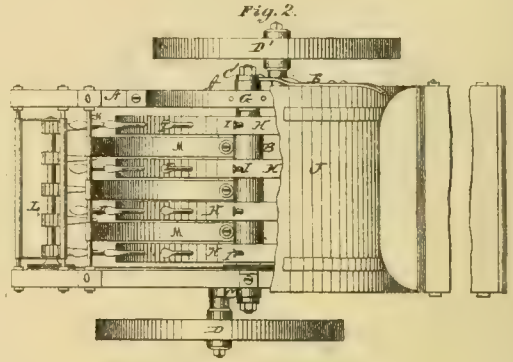
2 Sheets--Sheet 2

J. W. MILROY.

Rotary Cultivators.

No. 135,002. Patented Jan. 21, 1873.

Fig. 2.



Witnesses
John H. Ellis
Ann X. Ellis

James W. Milroy
Inventor
per
J. H. Alexander & Co.
Attys.

A. TROUARD.

Sugar-Cane Cultivators.

No. 135,174. Patented Jan. 21, 1873.

Fig. 1.

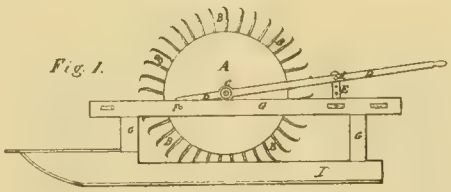


Fig. 3

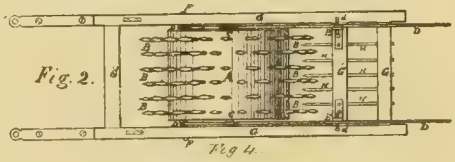


Fig. 2.

Fig. 4.

Witnesses.
[illegible]
Wm. Henderson

Inventor.
Aleide Trouard
By
[illegible]
Attorney

C. N. POUNDSTONE.

Rotary Cultivators

No. 135,664 Patented Feb. 11, 1873.

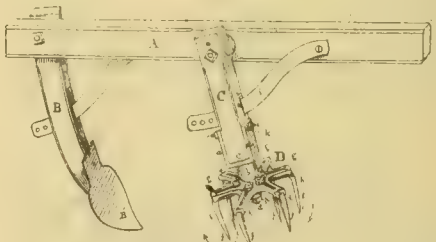
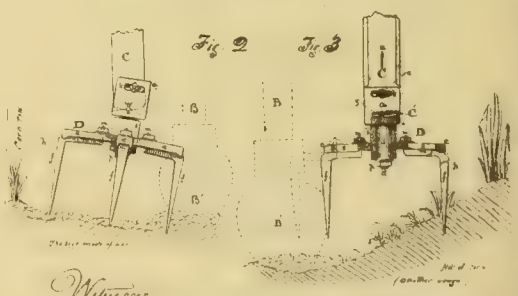


Fig. 1.

Fig. 2 Fig. 3



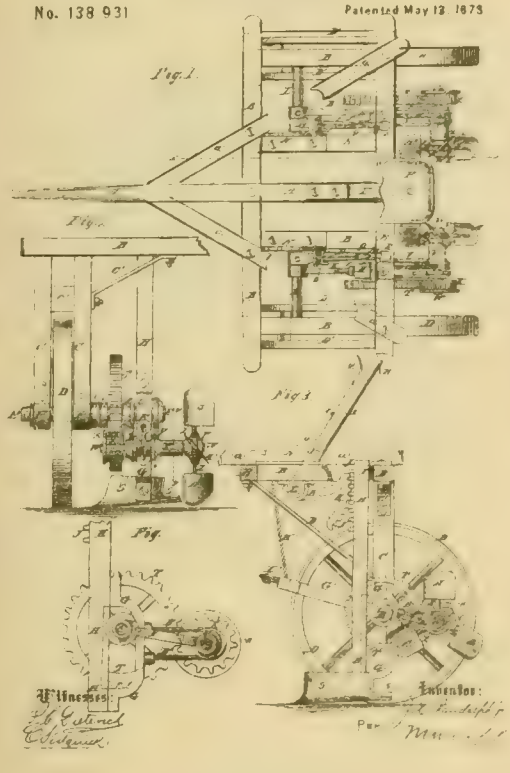
Witnesses
Harvey W. Ellis
[illegible]

Charles N. Poundstone
by Edmund Thurston
his Atty in fact

J. H. RANDOLPH, Jr.

Wheel Cultivators.

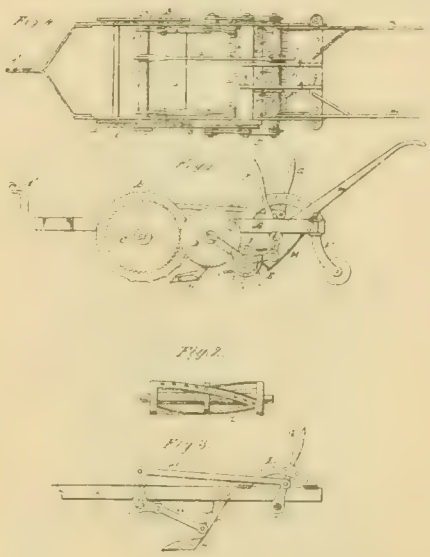
No. 138,931 Patented May 13, 1873



R. McKINLEY

Rotary Cultivators.

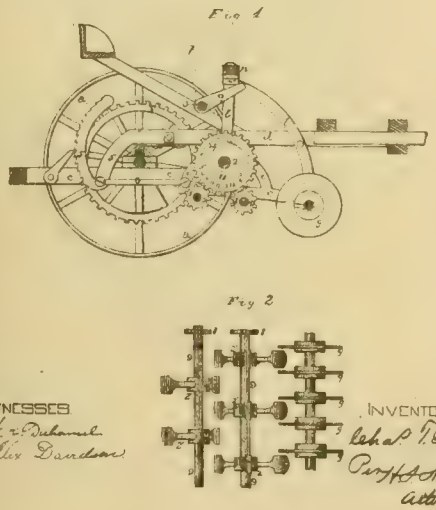
No. 139,013 Patented May 20, 1873



C. T. ELLISTON.

Rotary Plows.

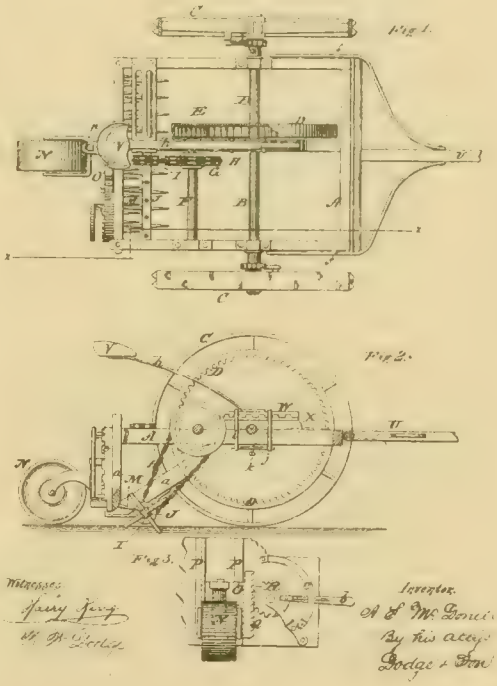
No. 142,094. Patented August 26, 1873



A. S. McDONELL.

Cultivators.

No. 144,346. Patented Nov. 4, 1873.

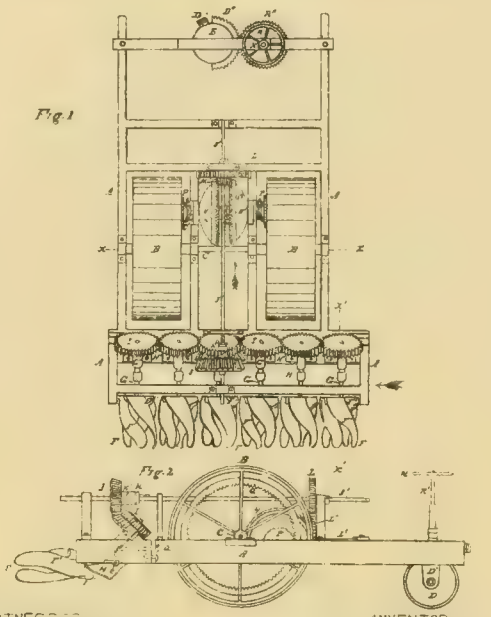


2 Sheets--Sheet 1.

J. D. STARRITT.

Rotary-Cultivators.

No. 144,419. Patented Nov. 11, 1873.



WITNESSES:
John H. Lawler
F. N. Herring

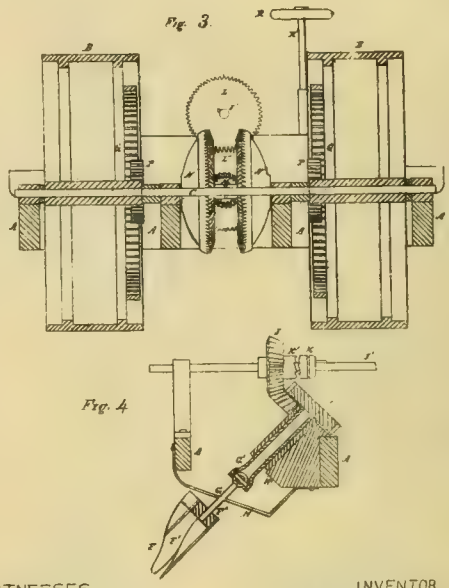
INVENTOR:
John D. Starritt
By Bailey & Warner
Attys

2 Sheets--Sheet 2.

J. D. STARRITT.

Rotary-Cultivators.

No. 144,419. Patented Nov. 11, 1873.



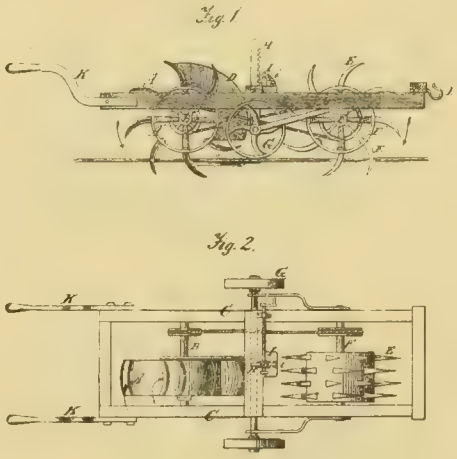
WITNESSES.
John H. Lawler
F. N. Herring

INVENTOR.
John D. Starritt
By Bailey & Warner
Attys

A. B. HOFFMEYER & J. SCHMIDT.

Rotary-Plows.

No. 145,177 Patented Dec. 2, 1873.



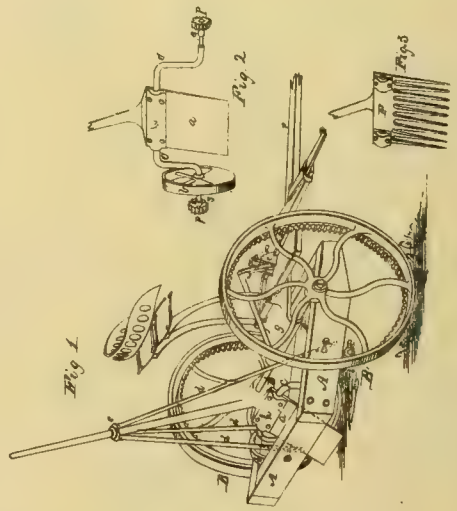
Witnesses
A. Lippe
W. Bradford

A. B. Hoffmeyer
J. Schmidt
Inventors
Bailey & Co
Attys

J. G. JONES.

Spading-Machines.

No. 145,737. Patented Dec. 23, 1873.



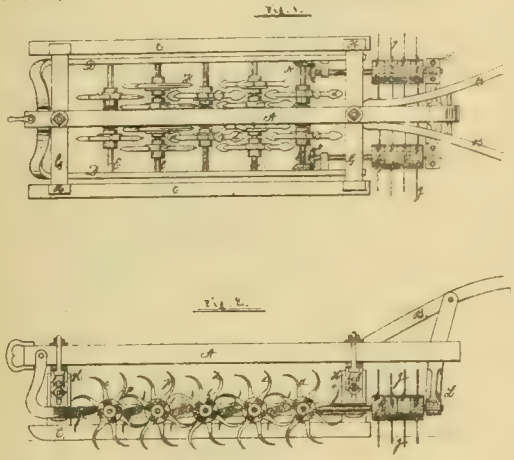
Witnesses
Oliver Ames 2d.
Geo. W. Kennedy

Inventor
John Gilson Jones

L. SONIAT.

Cane-Cultivators.

No. 147,992. Patented Feb. 24, 1874.



WITNESSES.

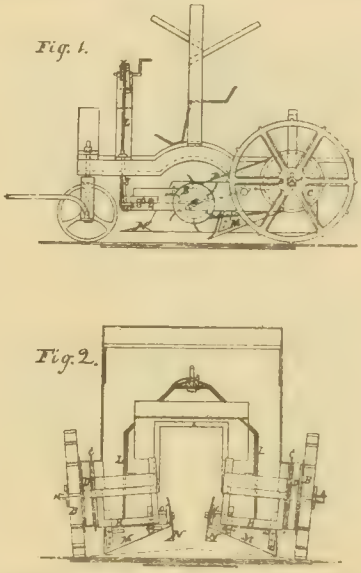
INVENTOR.

2 Sheets--Sheet 1.

E. M. HESSELBOM.

Cotton-Cultivators.

No. 148,060. Patented March 3, 1874.



Witnesses.

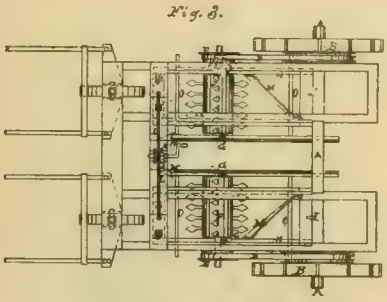
Inventor.

2 Sheets--Sheet 2

E. M. HESSELBOM.

Cotton-Cultivators.

No. 148,060. Patented March 3, 1874.



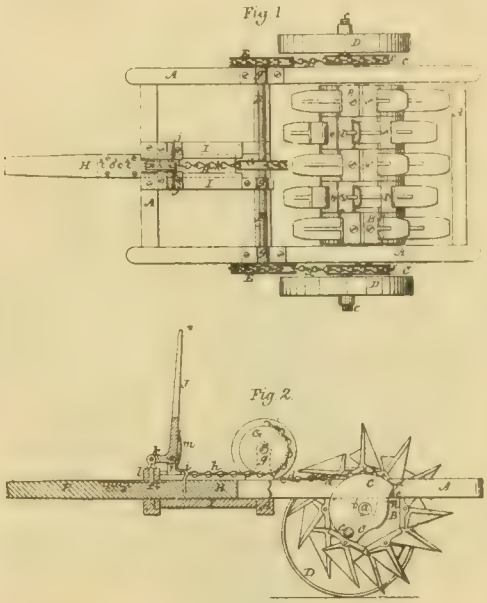
Witnesses.

Inventor.

J. H. PITKIN.

Rotary Plows.

No. 151,510. Patented June 2, 1874.



Witnesses

Inventor

J. C. ELLIOTT.
Cultivators.
No. 152,834 Patented July 7, 1874.

Fig. 1.

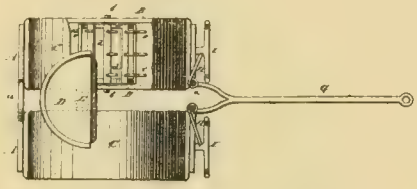
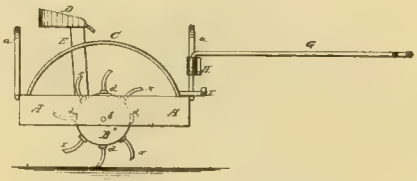


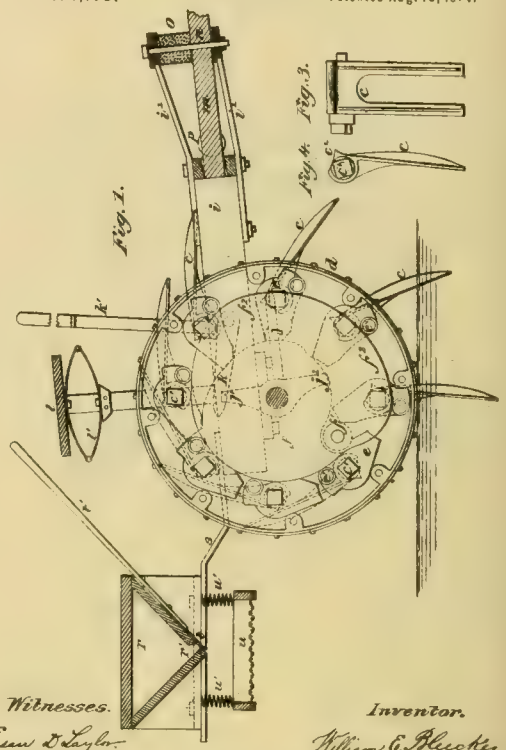
Fig. 2.



Witnesses:
J. C. Elliott
Ed Bleecher

Inventor
J. C. Elliott
per J. Alexander
Attorney

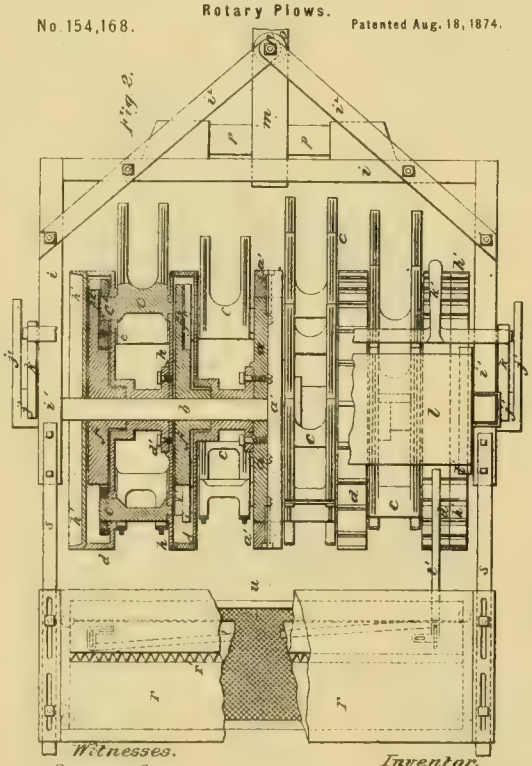
W. E. BLEECKER. 2 Sheets--Sheet 1.
Rotary Plows.
No. 154,168. Patented Aug. 18, 1874.



Witnesses.
Esau D. Taylor
Alfred Hitch

Inventor.
William E. Bleecker

W. E. BLEECKER. 2 Sheets--Sheet 2.
Rotary Plows.
No. 154,168. Patented Aug. 18, 1874.

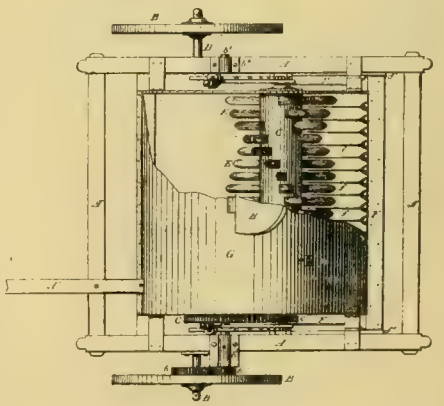


Witnesses.
Esau D. Taylor
Alfred Hitch

Inventor.
William E. Bleecker

H. JONES & W. K. YARD. 2 Sheets--Sheet 1.
Rotary-Plows.
No. 154,489. Patented Aug. 25, 1874.

Fig. 1.



Attest
C. H. Fry
J. Mason Lutzler

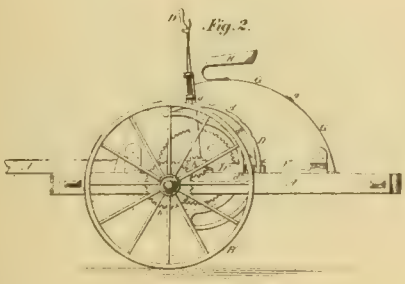
Inventors
Hezekiah Jones
William K. Yard
by A. Crawford Atty.

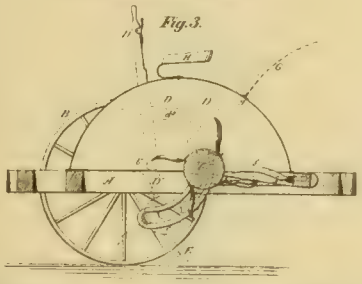
2 Sheets--Sheet 2

H. JONES & W. K. YARD.

Rotary-Plows.

No. 154,489. Patented Aug. 25, 1874.





Witnesses
J. Kaumburgher

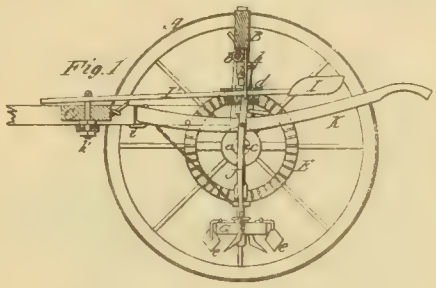
Inventors
Hezekiah Jones
William K. Yard
by A. Crawford Atty

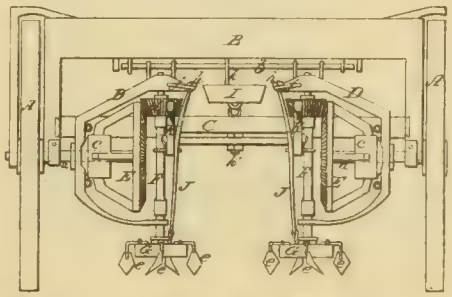
2 Sheets--Sheet 1.

A. F. BATCHELLER.

Corn-Plows.

No. 156,268. Patented Oct. 27, 1874.





WITNESSES
E. H. Bates
Robert Everett

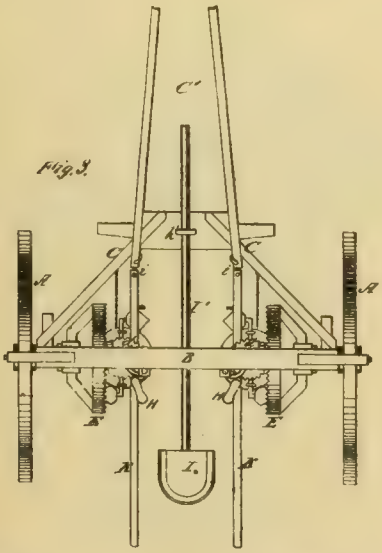
INVENTOR
Alexander F. Batcheller
Chipman & Garner Atty
Attorneys

2 Sheets -Sheet 2.

A. F. BATCHELLER.

Corn-Plows.

No. 156,268. Patented Oct. 27, 1874.



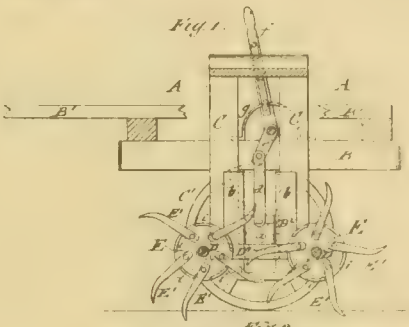
WITNESSES
Robert Everett
E. H. Bates

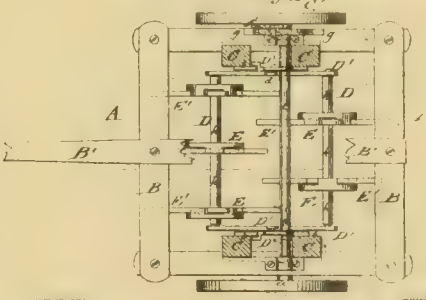
INVENTOR
Alexander F. Batcheller
Chipman & Garner Atty
Attorneys

H. VON PHUL, Jr. & J. MALLON.

Sugar-Cane Stubble-Diggers and Cultivators.

No. 157,893. Patented Dec. 15, 1874





WITNESSES:
E. Wolff
Ed. Wright

INVENTOR:
Hugo Von Phul
Jr. Mallon
BY
Munn & Co
ATTORNEYS.

2 Sheets--Sheet 1.

W. H. FOYE.
Rotary-Plows.

No. 158,482. Patented Jan. 5, 1875.

Fig. 1.

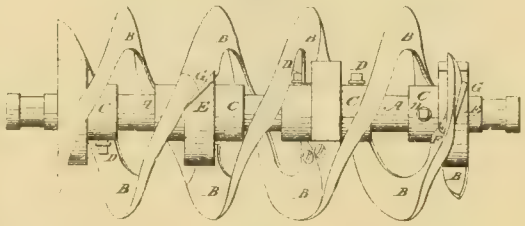
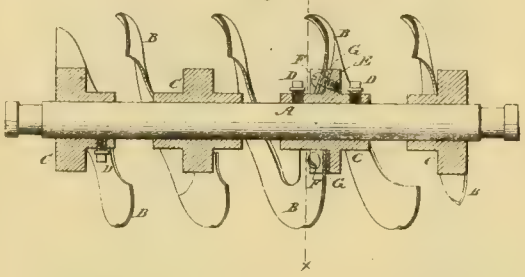


Fig. 2.



Witnesses.
E. S. Hamer
M. Church

Inventor.
William H. Foye
By Niles Tillinghast
His Attorney

2 Sheets--Sheet 2.

W. H. FOYE.
Rotary-Plows.

No. 158,482. Patented Jan. 5, 1875.

Fig. 3.

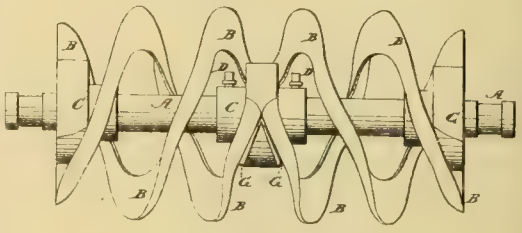


Fig. 4.

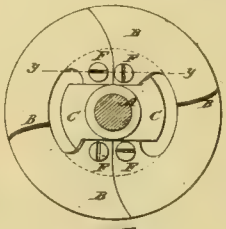
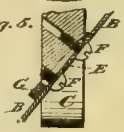


Fig. 6.

Fig. 7.

Fig. 5.



Witnesses.
E. S. Hamer
M. Church

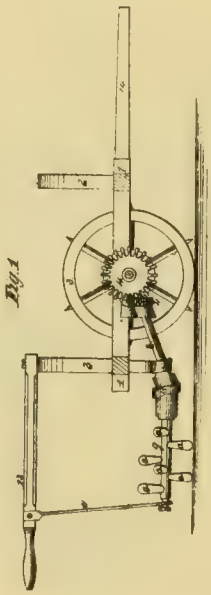
Inventor.
Wm. H. Foye
By Niles Tillinghast
His Attorney

2 Sheets--Sheet 1.

N. S. WOOD.
Revolving-Cultivators.

No. 158,663. Patented Jan. 12, 1875.

Fig. 1



Witnesses:
James R. Beebe
Joseph W. Johnston

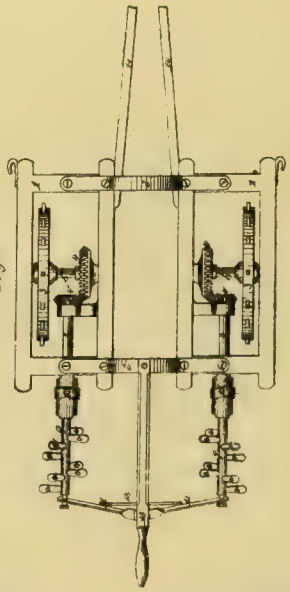
Inventor.
Nathaniel S. Wood

2 Sheet --Sheet 2.

N. S. WOOD.
Revolving-Cultivators.

No. 158,663. Patented Jan. 12, 1875.

Fig. 2



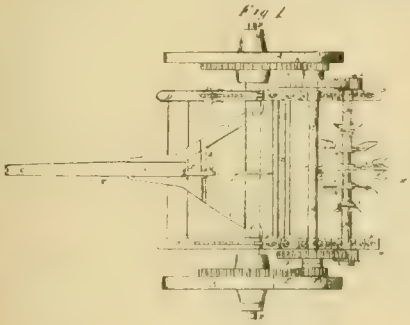
Witnesses:
James R. Beebe
Joseph W. Johnston

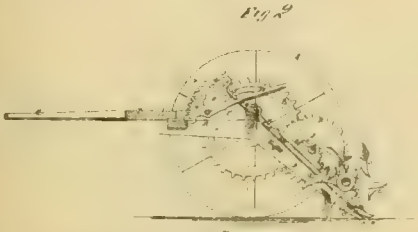
Inventor.
Nathaniel S. Wood

G. W. FENLEY

Rotary Cultivator and Chopper.

No 163,061 Patented May 11, 1875





WITNESSES:

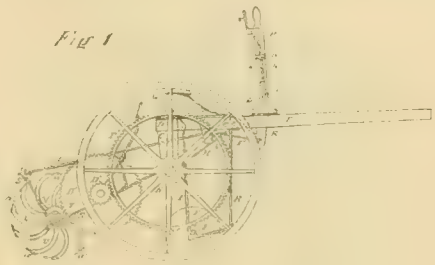
INVENTOR:

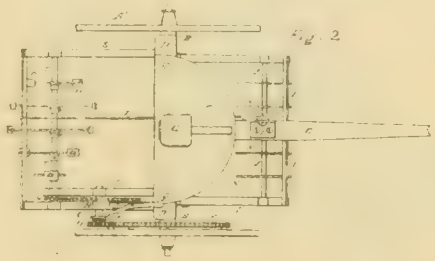
ATTORNEYS.

E. C. WINTERS

Revolving Cultivator

No 163,346 Patented May 18, 1875





WITNESSES

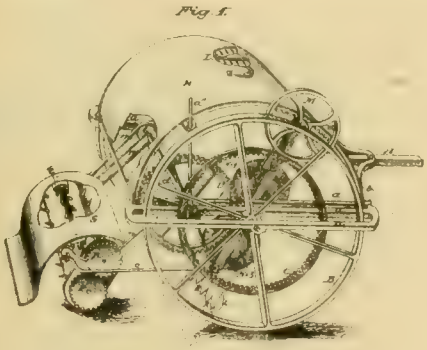
INVENTOR

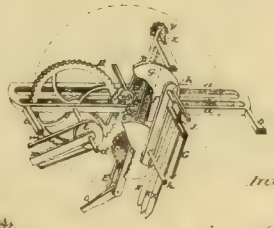
Atty

J. H. COON.

Rotary Cultivator.

No 164,428. Patented June 15, 1875.





Witnesses:

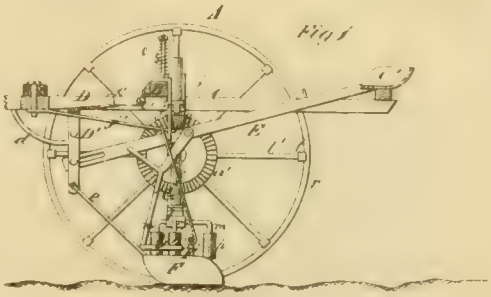
Inventor

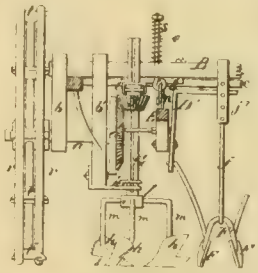
2 Sheets--Sheet 1

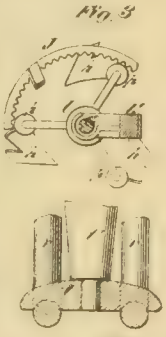
A. F. BATCHELLER.

Corn-Cultivator.

No 164,960 Patented June 29, 1875.







WITNESSES

INVENTOR

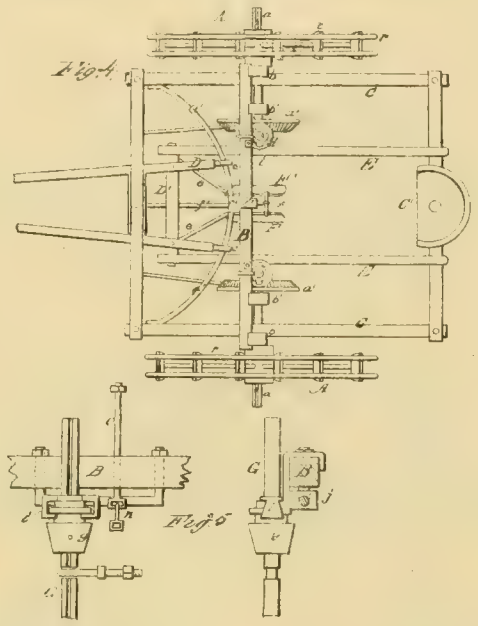
ATTORNEYS

2 Sheets--Sheet 2

A. F. BATCHELLER.

Corn-Cultivator.

No. 164,960. Patented June 29, 1875.



WITNESSES

INVENTOR

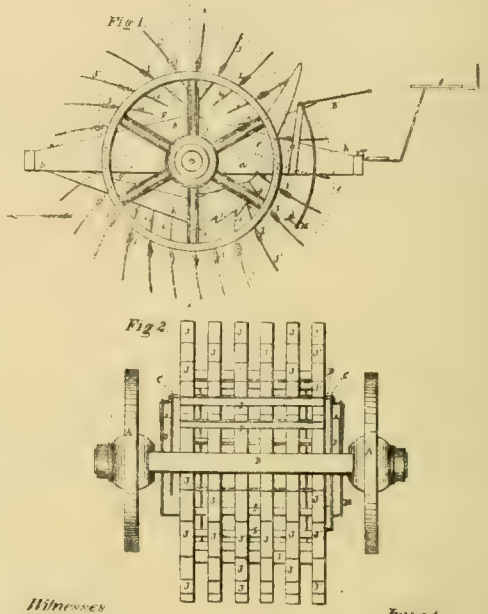
ATTORNEYS

2 Sheets--Sheet 1

W. C. B. RICHARDSON.

Rotary-Spaders.

No. 166,721 Patented Aug. 17, 1875.



Witnesses

Inventor

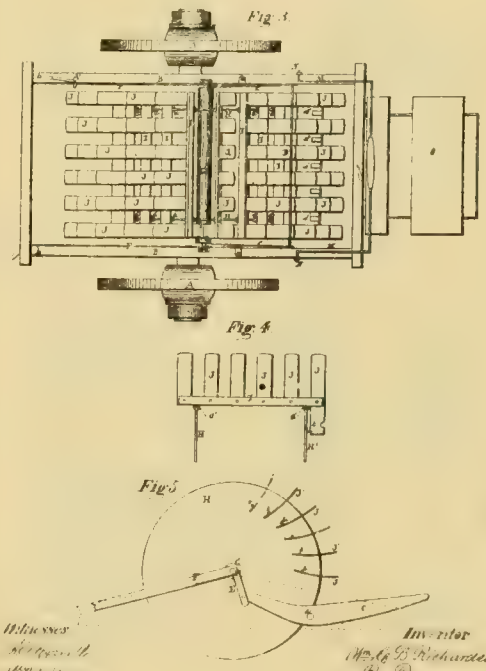
Attorneys

2 Sheets--Sheet 2.

W. C. B. RICHARDSON

Rotary-Spaders.

No. 166,721. Patented Aug. 17, 1875.



Witnesses

Inventor

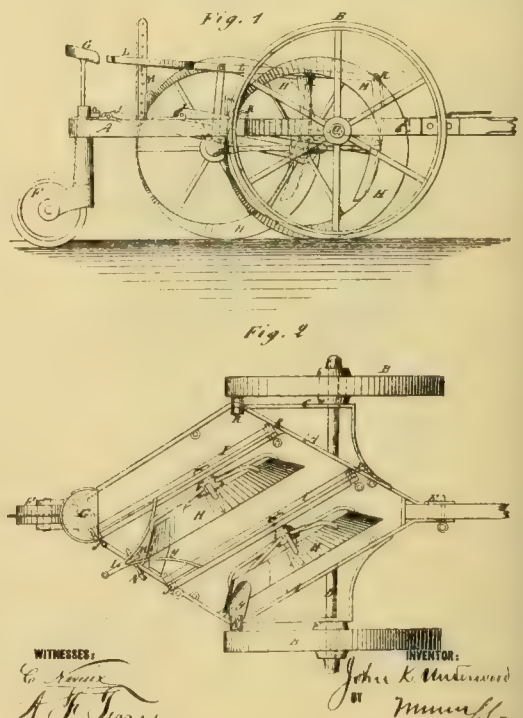
Attorneys

2 Sheets--Sheet 1.

J. K. UNDERWOOD.

ROTARY GANG-PLOW.

No. 169,499. Patented Nov. 2, 1875.



WITNESSES:

INVENTOR:

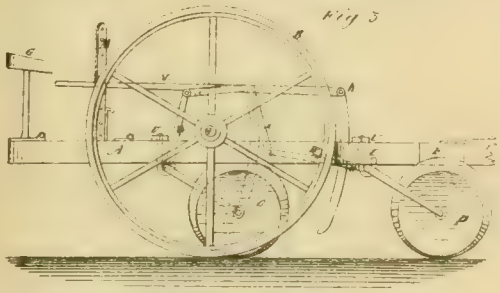
BY

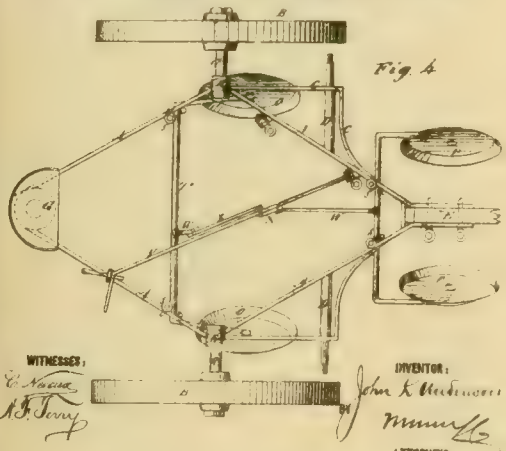
ATTORNEYS.

2 Sheets—Sheet 2

J. K. UNDERWOOD.
ROTARY GANG-PLOW.

No. 169,499. Patented Nov. 2, 1875.





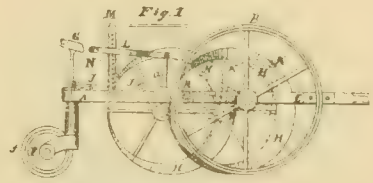
WITNESSES:
C. Neese
R. F. Ferry

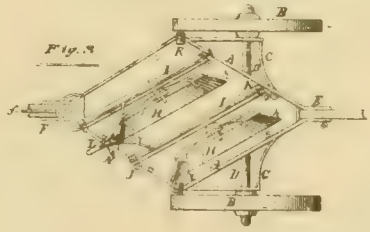
INVENTOR:
John K. Underwood
Munn & Co.
ATTORNEYS

2 Sheets—Sheet 1.

J. K. UNDERWOOD.
ROTARY GANG-PLOWS.

No. 7,865. Reissued Aug. 28, 1877.





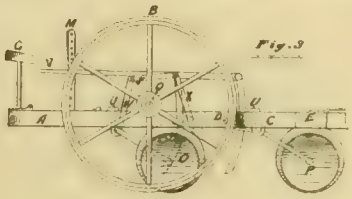
Attest:
J. H. Coyne
E. J. Mueller

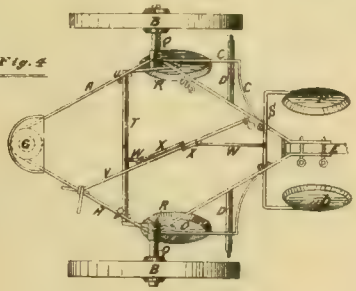
INVENTOR:
John K. Underwood
By F. F. Warner Jr.
Attorney.

2 Sheets—Sheet 2.

J. K. UNDERWOOD.
ROTARY GANG-PLOWS

No. 7,865. Reissued Aug. 28, 1877.



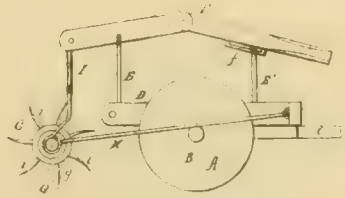


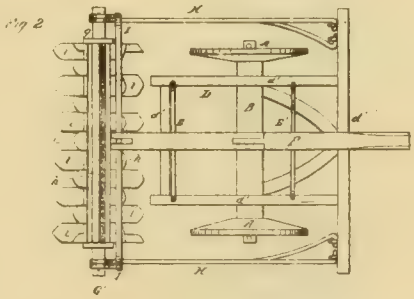
Attest:
J. H. Coyne
E. J. Mueller

INVENTOR:
John K. Underwood
By F. F. Warner Jr.
Attorney.

D. W. BRODNAX, Sr.
ROTARY SPADE-CULTIVATOR

No. 170,661. Patented Dec. 7, 1875.





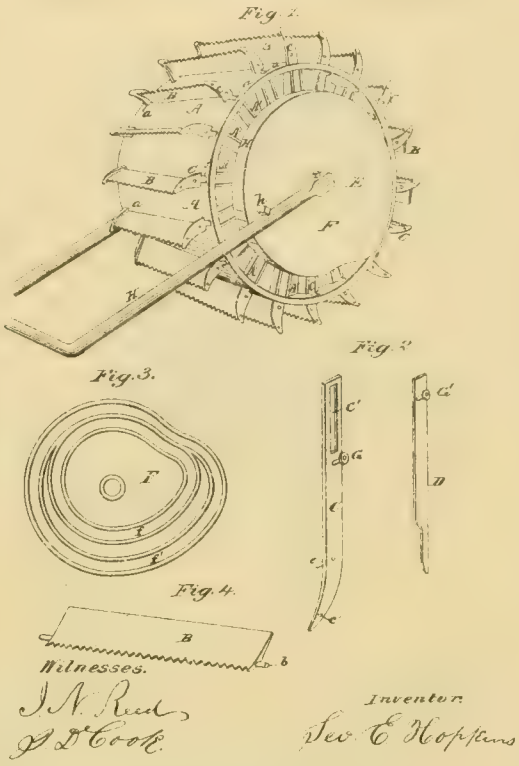
WITNESSES
S. T. Nottingham
Wm. H. Brereton Jr.

INVENTOR
David W. Brodnax Sr.
By Legg & Legg Attorneys.

G. E. HOPKINS.

ROTARY CULTIVATOR.

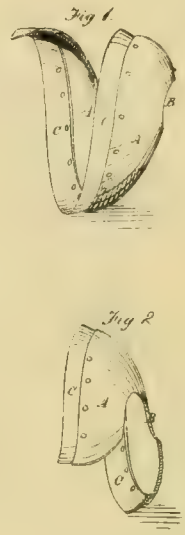
No. 174,245. Patent'ed Feb. 29, 1876.



W. H. FOYE.

ROTARY-PLOW.

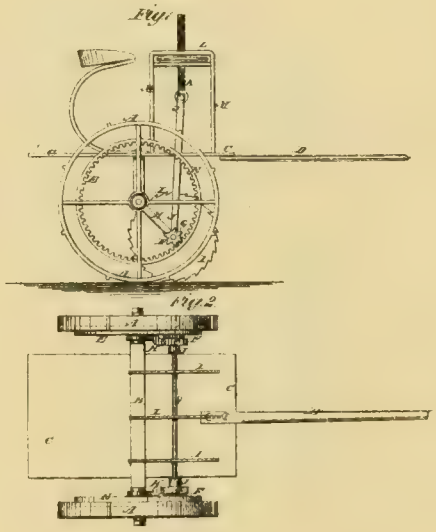
No. 174,796. Patented March 14, 1876.



J. C. STONE.

ROTARY-CULTIVATOR.

No 176,897. Patented May 2, 1876.



WITNESSES:

INVENTOR:

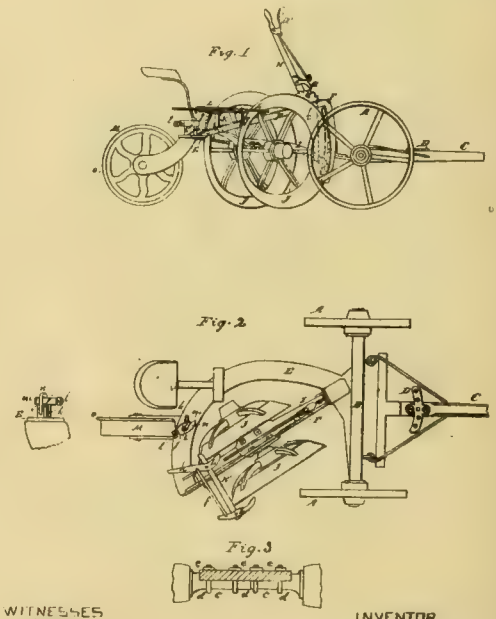
BY

ATTORNEYS.

J. K. UNDERWOOD.

ROTARY PLOW.

No. 177,668 Patented May 23, 1876.



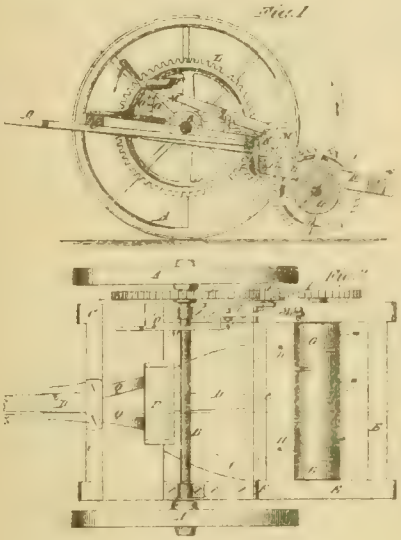
WITNESSES

INVENTOR

T. A. KERSHNER.

REVOLVING HARROW AND PULVERIZER

No. 179,320. Patented June 27, 1876



WITNESSES:

INVENTOR:

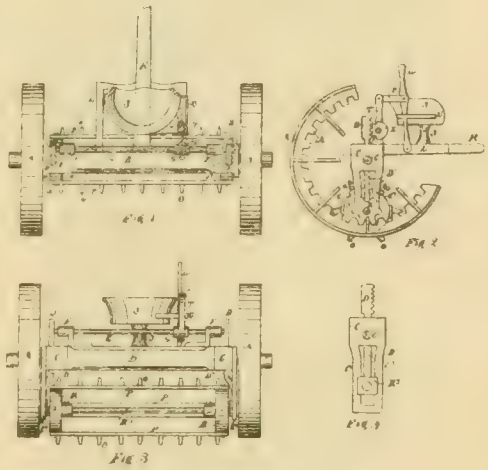
BY

ATTORNEYS.

T. ROUSE.

ROTARY HARROWS.

No. 179,427 Patented July 4, 1876



WITNESSES

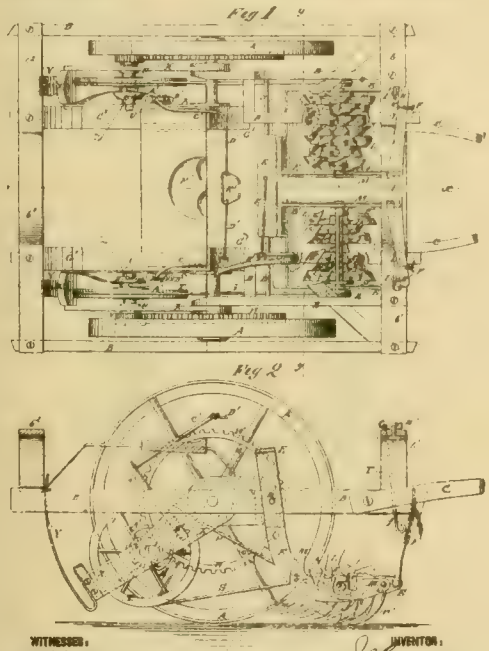
INVENTOR

2 Sheets—Sheet 1.

J. HAYNES.

CULTIVATOR PLOW AND HARROW

No. 179,918. Patented July 18, 1876.



WITNESSES:

INVENTOR:

BY

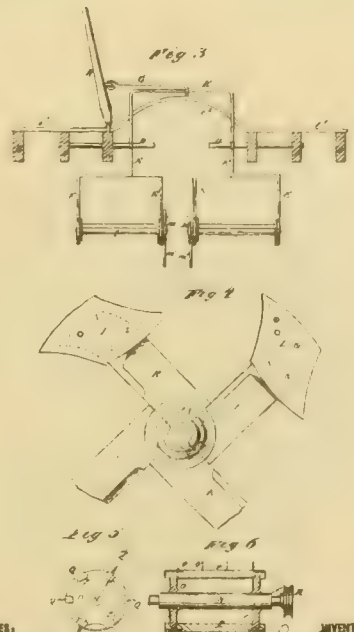
ATTORNEYS.

2 Sheets—Sheet 2

J. HAYNES

CULTIVATOR, PLOW AND HARROW

No. 179,918. Patented July 18, 1876



WITNESSES:

INVENTOR:

BY

ATTORNEYS.

D. B. SHERMAN

REVOLVING GARDEN AND FIELD HOE

No. 181,870 Patented Sept. 5, 1876

Fig. 1.

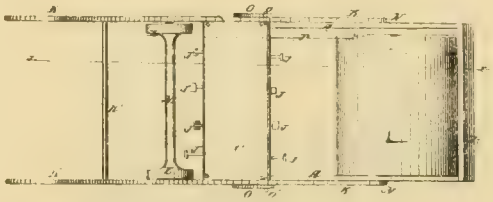
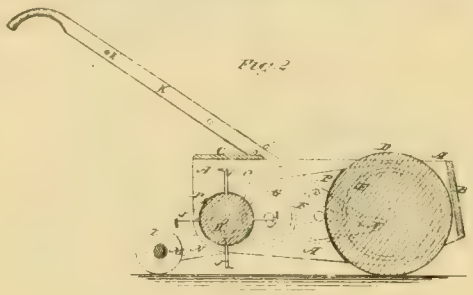


Fig. 2



WITNESSES:
Frank McArdle
John Goetchels

INVENTOR:
D. B. Sherman
BY
Munn & Co
ATTORNEYS.

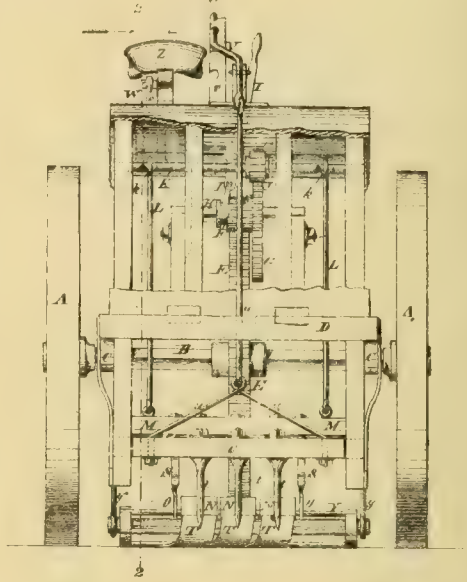
2 Sheets—Sheet 1

W. McC. MATHES.

COMBINED SPADING, PLOWING AND STALK-CUTTING MACHINES.

No. 181,959. Patented Sept. 5, 1876

Fig. 1.



WITNESSES
Chas. J. Gooch
N. H. Galt

INVENTOR
William McConnell Mathes
By Knight Bros. Attorneys

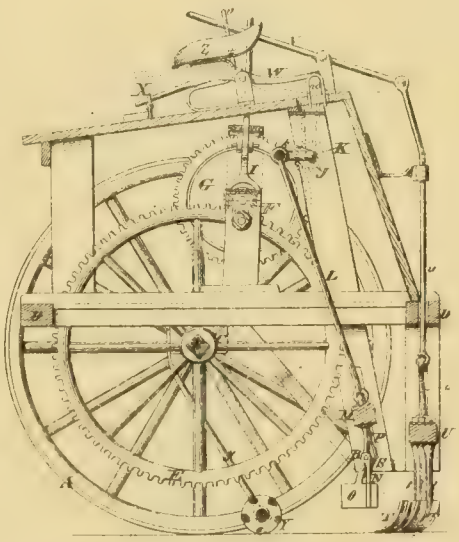
2 Sheets—Sheet 2.

W. McC. MATHES.

COMBINED SPADING, PLOWING AND STALK CUTTING MACHINES.

No. 181,959. Patented Sept. 5, 1876.

Fig. 2.



WITNESSES
Chas. J. Gooch
N. H. Galt

INVENTOR
William McConnell Mathes
By Knight Bros. Attorneys

P. D. & H. C. PELSOR.

ROTARY-SPADER STALK-CUTTERS AND FIELD-ROLLERS.

No. 181,976. Patented Sept. 5, 1876

fig. 1.

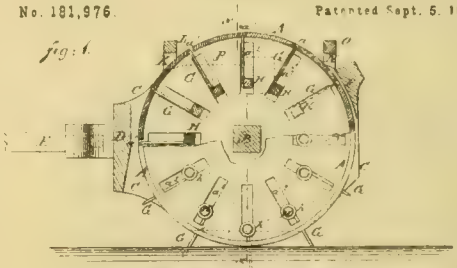


fig. 2.

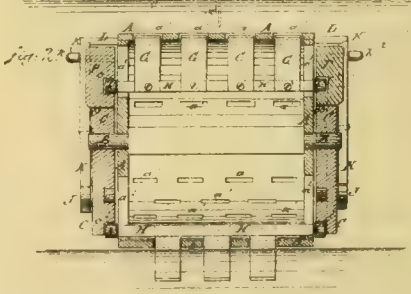
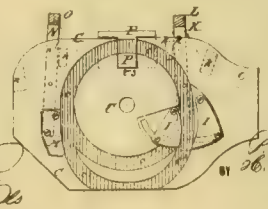


fig. 3.



WITNESSES:
Chas. Nutt
John Goetchels

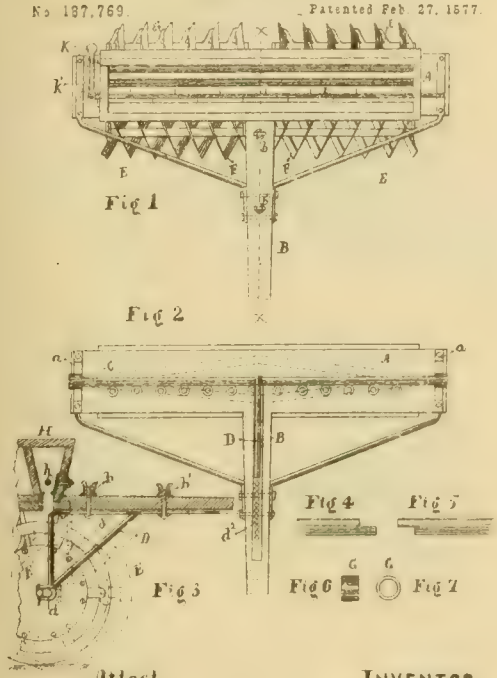
INVENTORS:
P. D. Pelsor and
H. C. Pelsor
BY
Munn & Co
ATTORNEYS.

2 Sheets—Sheet 1.

W. T. NICHOLS.

ROTARY HARROWS.

No. 187,769. Patented Feb. 27, 1877.



Attest.
W. C. Corlies
E. S. Lloyd

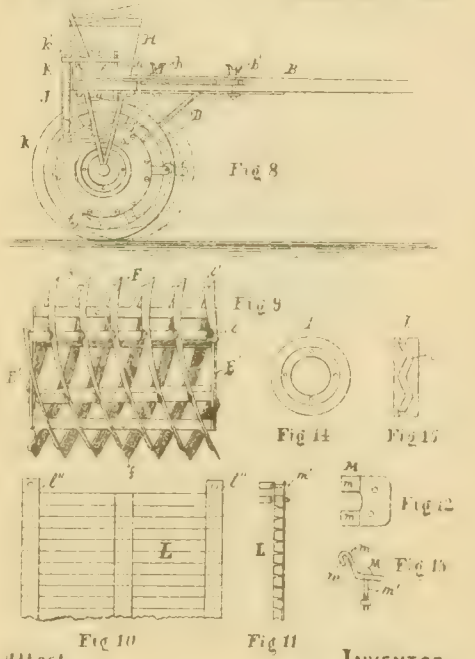
INVENTOR:
William T. Nichols
Per. Cobern & Hopkins
Attys

2 Sheets—Sheet 2

W. T. NICHOLS.

ROTARY HARROWS.

No. 187,769. Patented Feb. 27, 1877.



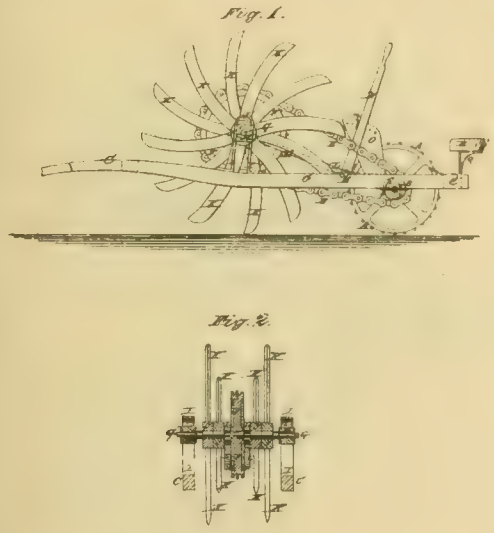
Attest
W. C. Corlies
E. S. Lloyd

INVENTOR
William T. Nichols
Per Cobern & Hopkins
Attys

J. R. TILLEY.

CULTIVATOR.

No. 190,796. Patented May 15, 1877.



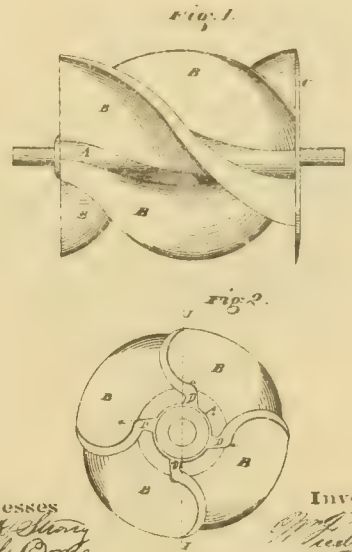
WITNESSES:
Magnus
Sandborough

INVENTOR:
John R. Tilley
BY Munn & Co.
ATTORNEYS.

W. FREEBORN.

ROTARY PLOW.

No. 191,332. Patented May 29, 1877.

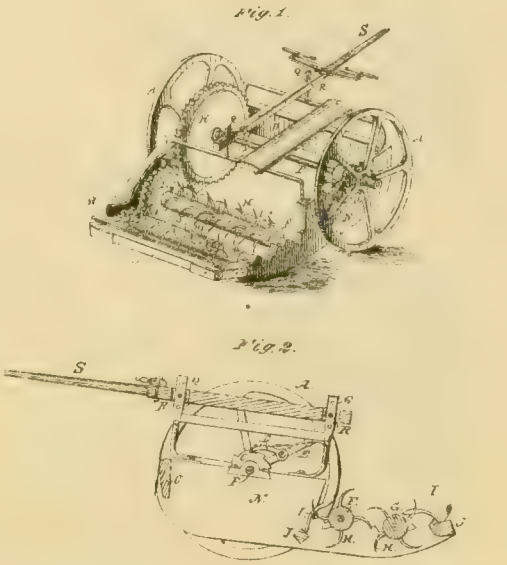


Witnesses
Geo. H. Story
J. W. L. Borke

Inventor
W. Freeborn

J. ADAMS.
Soil-Pulverizer.

No. 196,617. Patented Oct. 30, 1877.



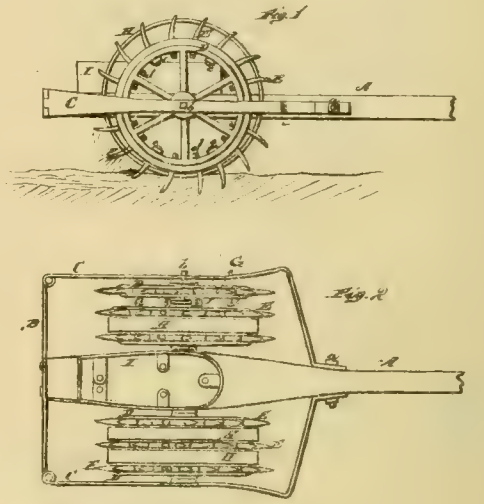
Witnesses:
Henry R. Leonard
John S. Linear

Inventor
his
Jessex Adams
mark

2 Sheets—Sheet 1

H. SKILLINGS.
Revolving Plow.

No. 198,163. Patented Dec. 11, 1877.



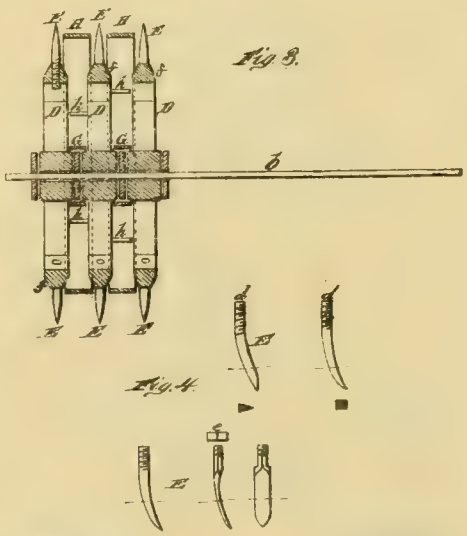
WITNESSES
Robert Everett,
George E. Upham

INVENTOR.
Hiram Skillings.
Gilmore Smith & Co.
ATTORNEYS

2 Sheets—Sheet 2

H. SKILLINGS.
Revolving Plow.

No. 198,163. Patented Dec. 11, 1877.

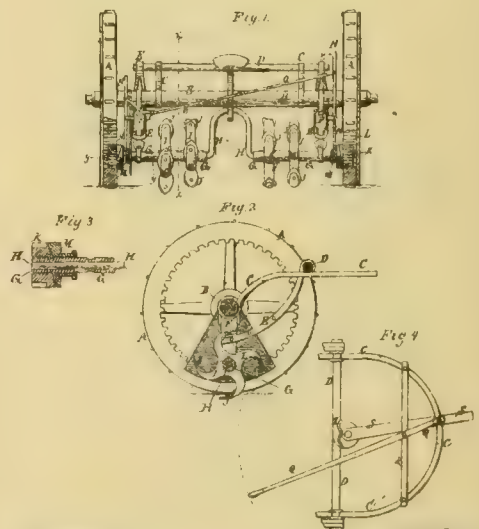


WITNESSES
Robert Everett,
George E. Upham

INVENTOR
Hiram Skillings.
Gilmore Smith & Co.
ATTORNEYS.

C. C. BREEDEN & O. T. WHEELER.
Rotary Cultivator.

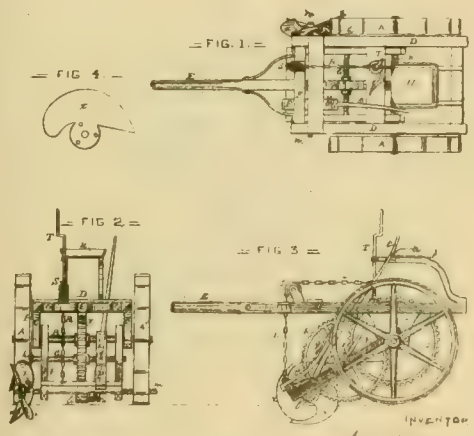
No. 198,339. Patented Dec. 18, 1877.



WITNESSES:
Henry N. Miller
J. H. Farborough.

INVENTOR:
C. C. Breeden.
O. T. Wheeler.
BY Munn & Co.
ATTORNEYS.

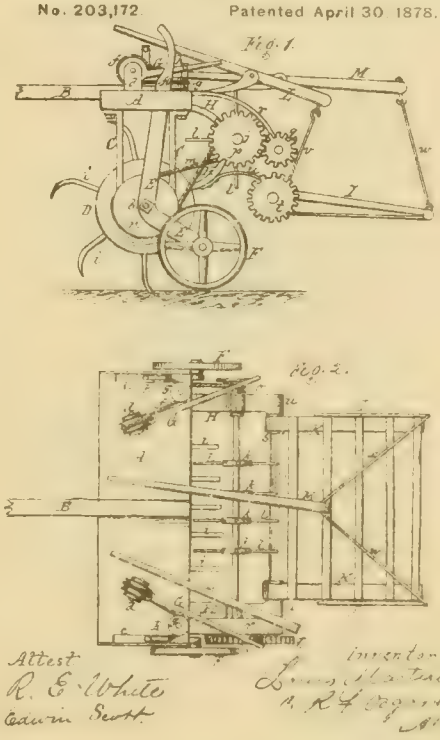
J. GRANER.
Revolving Cultivator
No. 198,540. Patented Dec. 25, 1877.



Witnesses
Alfred H. J. Wilson
J. N. Shiller

Inventor
Joh. Graner
By H. S. Jenkins
Attorney

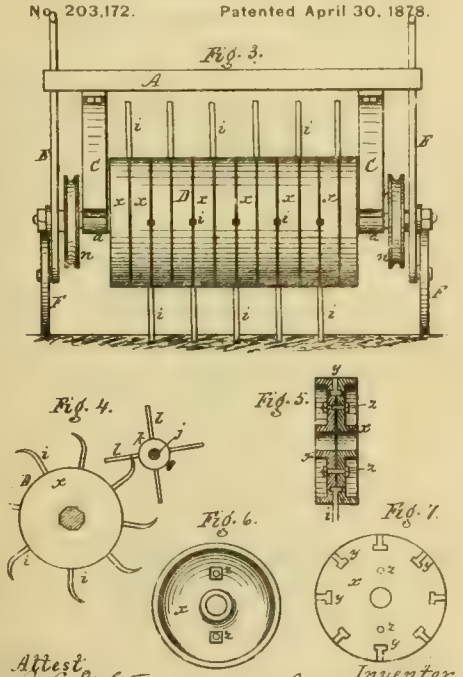
2 Sheets Sheet 1
L. MARTIN
Machine for Exterminating Noxious Grasses.
No. 203,172. Patented April 30 1878.



Attest
R. E. White
Edwin Scott

Inventor
Louis Martin
p. R. F. Boyd
Atty.

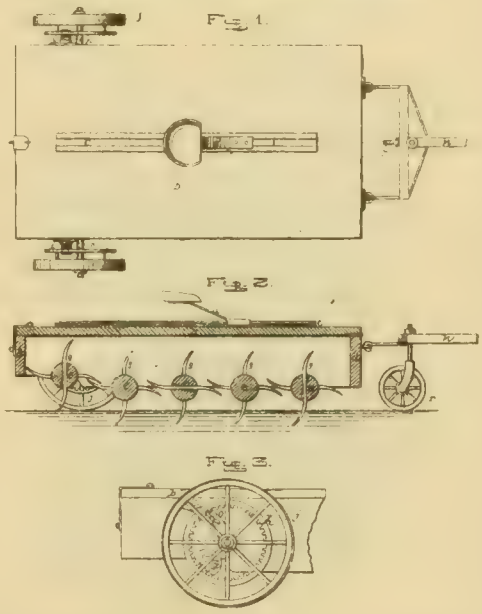
2 Sheets—Sheet 2
L. MARTIN.
Machine for Exterminating Noxious Grasses.
No. 203,172. Patented April 30, 1878.



Attest
R. E. White
Edwin Scott

Inventor.
Louis Martin.
p. R. F. Boyd
Atty.

D LOCKE
Clod-Crusher
No 205 969 Patented July 16, 1878.

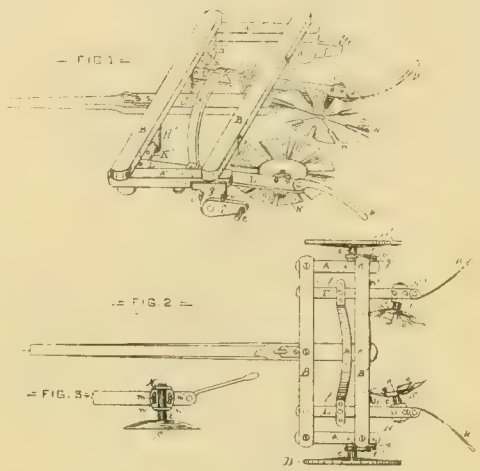


Witnesses.
J. W. Garner
H. S. D. Kane

Inventor
David Locke
per D. A. Simmons
Atty

J. MALLON
Cultivator

No. 206,185 Patented July 23, 1878.



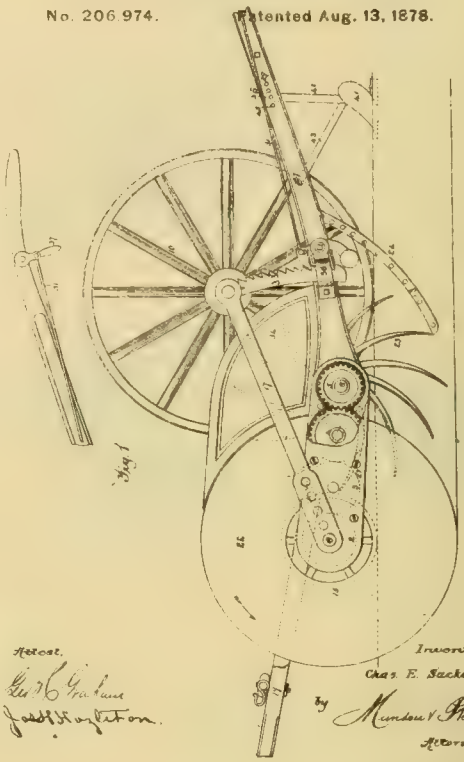
Witnesses
J. C. Hubbell
J. F. Toomey

Inventor
James Mallon
By H. N. Jenkins
Attorney

3 Sheets—Sheet 1

C. E. SACKETT.
Cultivators.

No. 206,974. Patented Aug. 13, 1878.



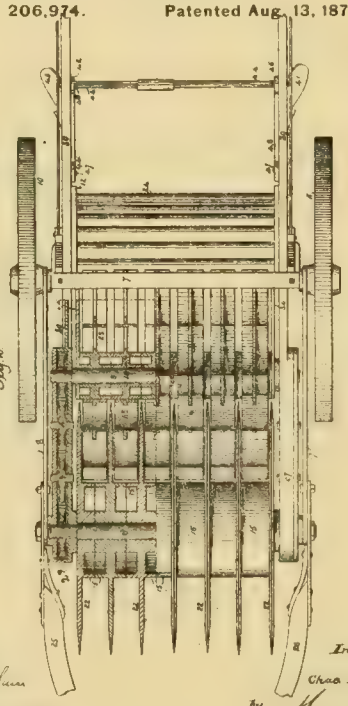
Witnesses.
Geo. H. Graham
Joseph Hoylton.

Inventor.
Chas. E. Sackett.
by Munson & Philipp
Attorneys

3 Sheets—Sheet 2

C. E. SACKETT.
Cultivators.

No. 206,974. Patented Aug. 13, 1878.



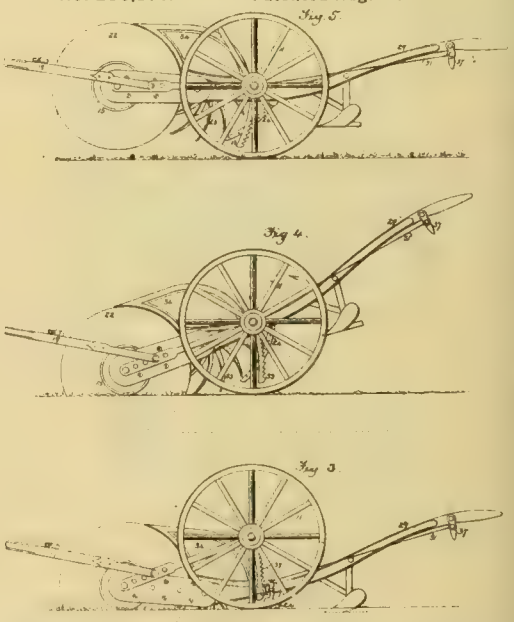
Witnesses.
Geo. H. Graham
Joseph Hoylton.

Inventor.
Chas. E. Sackett.
by Munson & Philipp
Attorneys.

3 Sheets—Sheet 3.

C. E. SACKETT.
Cultivators.

No. 206,974. Patented Aug. 13, 1878.



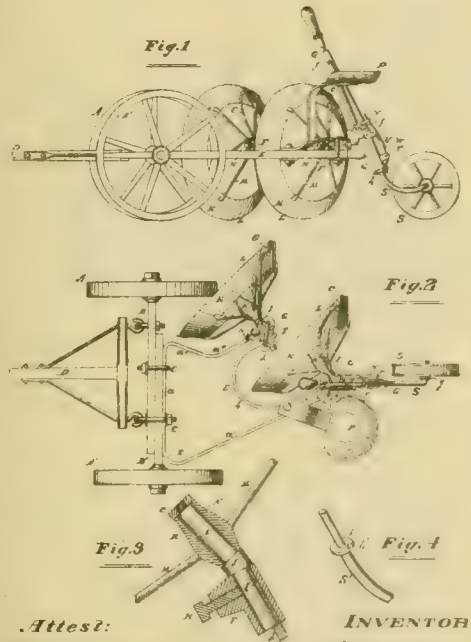
Witnesses
Geo. H. Graham
Joseph Hoylton.

Inventor.
Chas. E. Sackett.
by Munson & Philipp
Attorneys

2 Sheets—Sheet 1.

D. H. LANE.
Rotary-Plow.

No. 208,246. Patented Sept. 24, 1878.



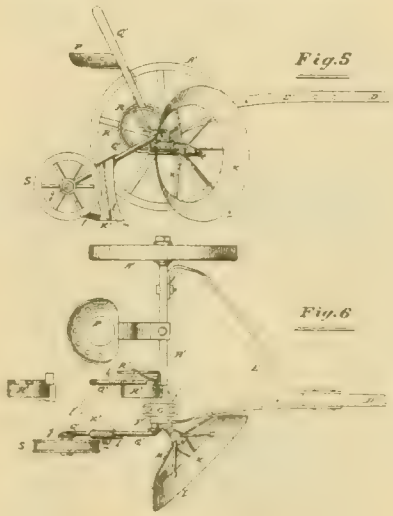
Attest:
Wm. F. Harbeck
Charles H. Schiff

INVENTOR:
David H. Lane
By F. H. Warren, his
Attorney

2 Sheets—Sheet 2.

D. H. LANE.
Rotary-Plow.

No. 208,246. Patented Sept. 24, 1878.



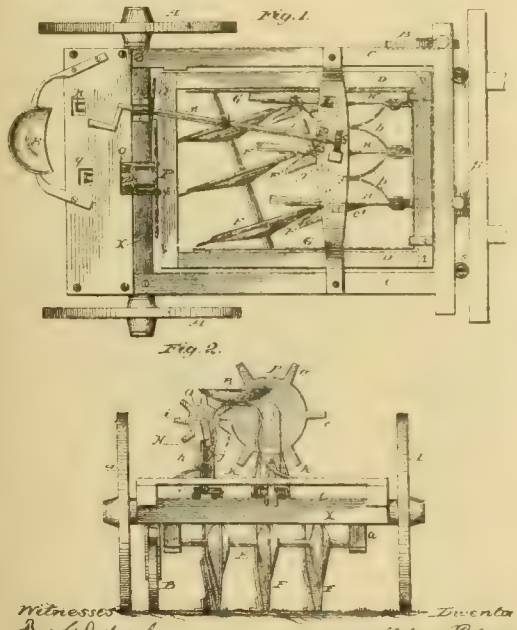
Attest:
Wm. F. Harbeck
Charles H. Schiff

INVENTOR:
David H. Lane
By F. H. Warren, his
Attorney

2 Sheets—Sheet 1.

N. PALMER.
Rotary Gang-Plow.

No. 213,242 Patented Mar. 11, 1879.



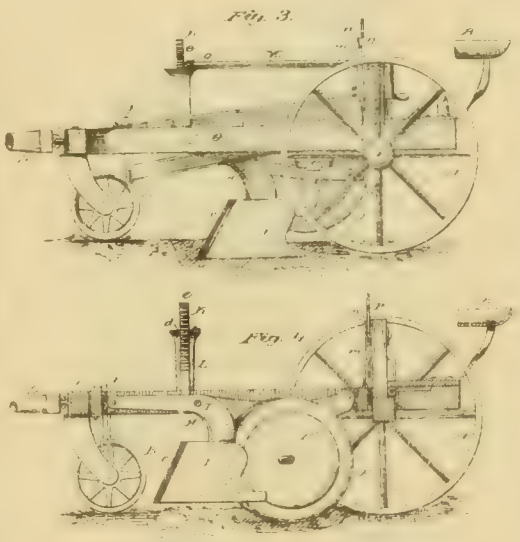
Witnesses
Fred G. Dieterich
J. Phelps Fowler

Inventor
Nelson Palmer
by Dewitt C. Allen
Attorney

2 Sheets—Sheet 2.

N. PALMER.
Rotary Gang-Plow.

No. 213,242 Patented Mar. 11, 1879.

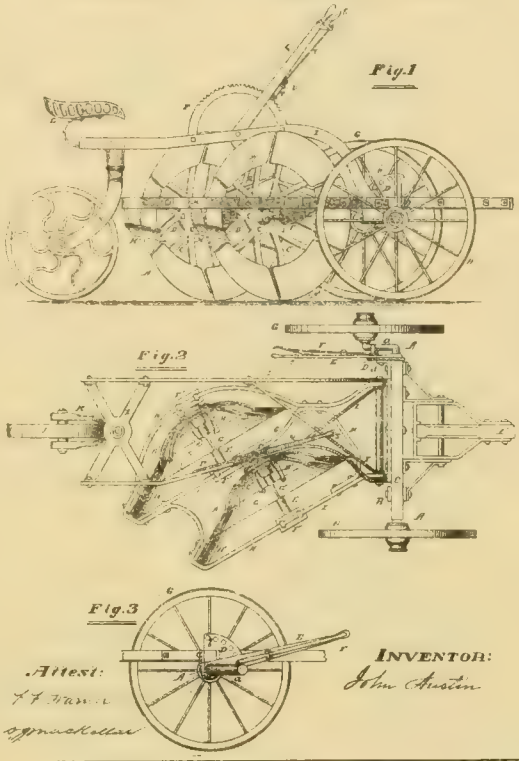


Witnesses
Fred G. Dieterich
J. Phelps Fowler

Inventor
Nelson Palmer
by DeWitt C. Allen
Attorney

J. AUSTIN.
Plow.

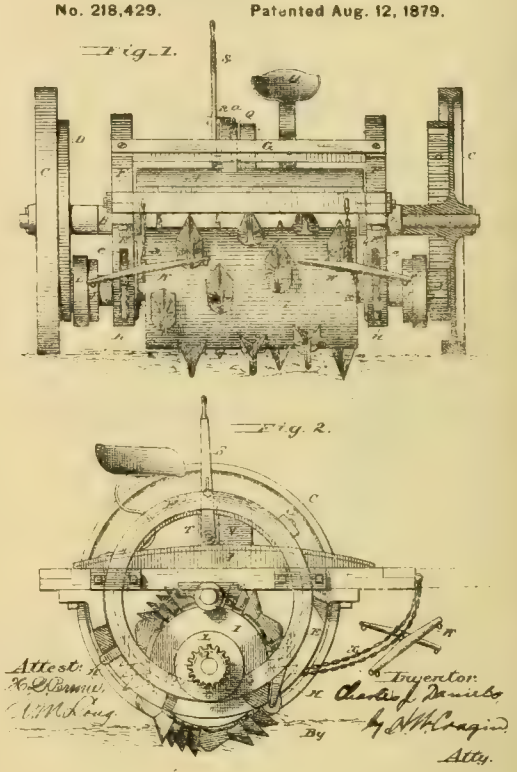
No. 216,592. Patented June 17, 1879.



2 Sheets—Sheet 1

C. J. DANIELS.
Combination Harrow and Plow.

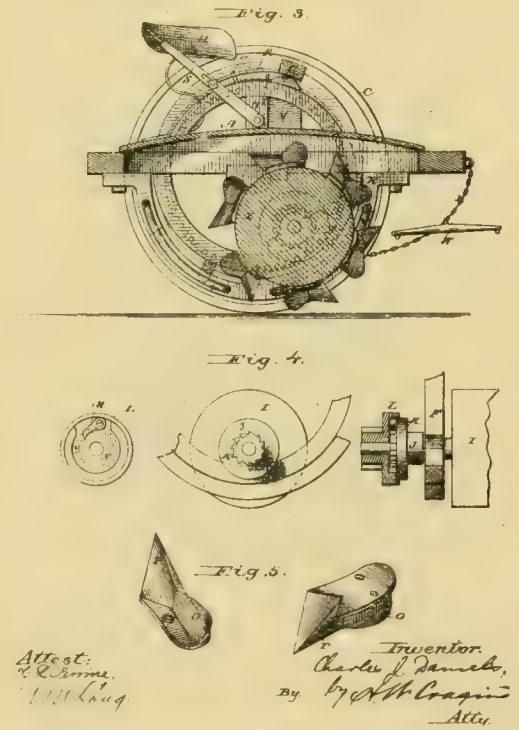
No. 218,429. Patented Aug. 12, 1879.



2 Sheets—Sheet 2.

C. J. DANIELS.
Combination Harrow and Plow.

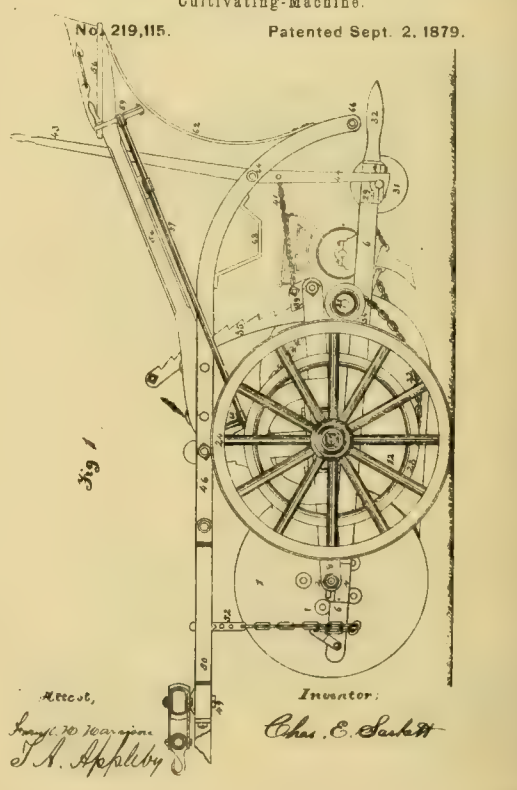
No. 218,429. Patented Aug. 12, 1879.



4 Sheets—Sheet 1.

C. E. SACKETT.
Cultivating-Machine.

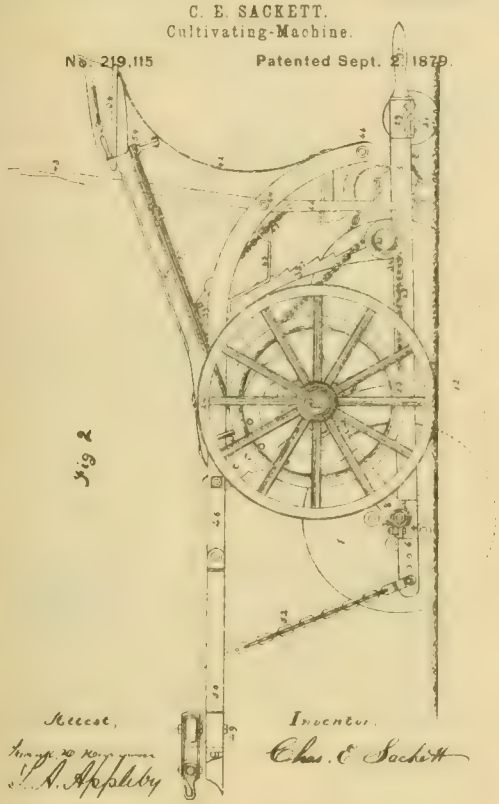
No. 219,115. Patented Sept. 2, 1879.



4 Sheets—Sheet 2

C. E. SACKETT.
Cultivating-Machine.

No. 219,115 Patented Sept. 2, 1879.



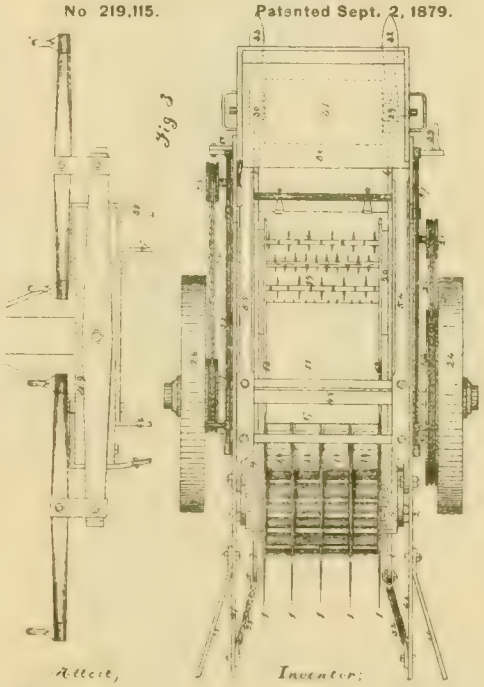
Witnesses,
Frank H. Harrison
T. A. Appleby

Inventor,
Chas. E. Sackett

4 Sheets—Sheet 3

C. E. SACKETT.
Cultivating-Machine.

No. 219,115. Patented Sept. 2, 1879.



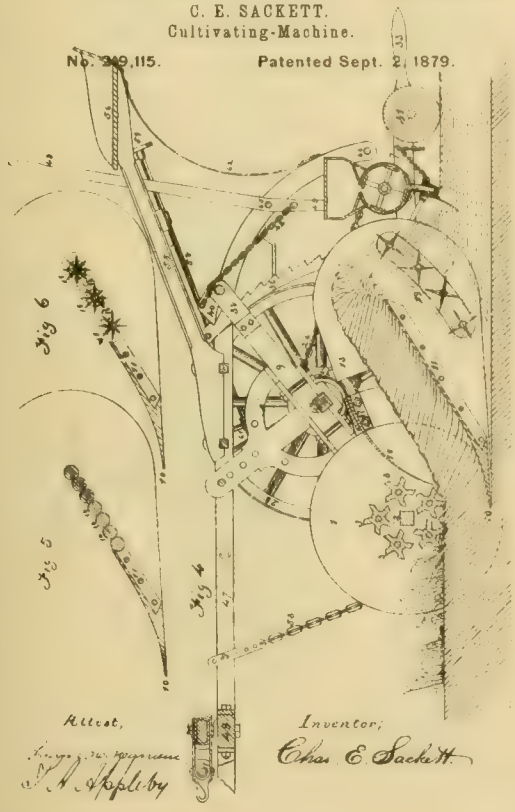
Witnesses,
Frank H. Harrison
T. A. Appleby

Inventor,
Chas. E. Sackett

4 Sheets—Sheet 4

C. E. SACKETT.
Cultivating-Machine.

No. 219,115. Patented Sept. 2, 1879.



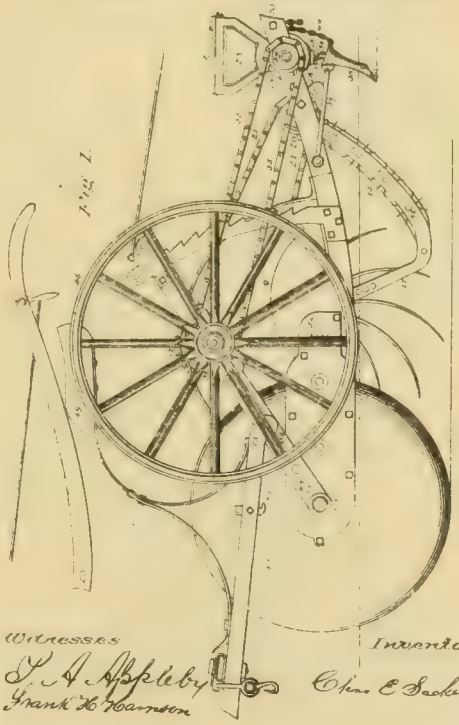
Witnesses,
Frank H. Harrison
T. A. Appleby

Inventor,
Chas. E. Sackett

3 Sheets—Sheet 1

C. E. SACKETT.
Cultivator.

No. 219,116. Patented Sept. 2, 1879.



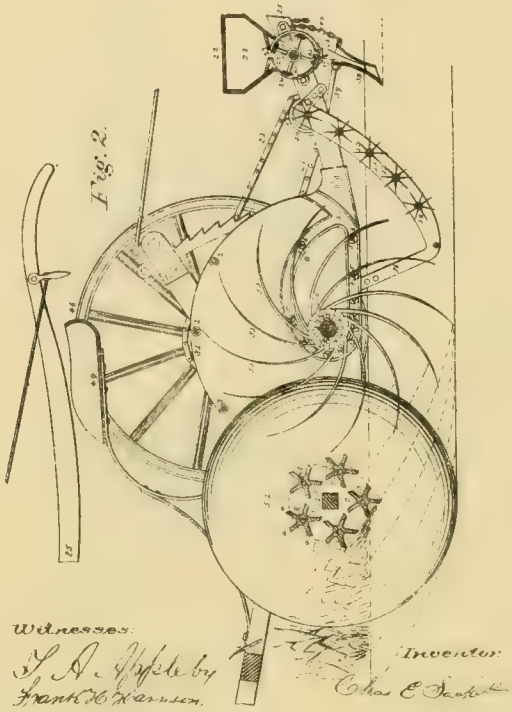
Witnesses
T. A. Appleby
Frank H. Harrison

Inventor:
Chas. E. Sackett

3 Sheets—Sheet 2.

C. E. SACKETT.
Cultivator.

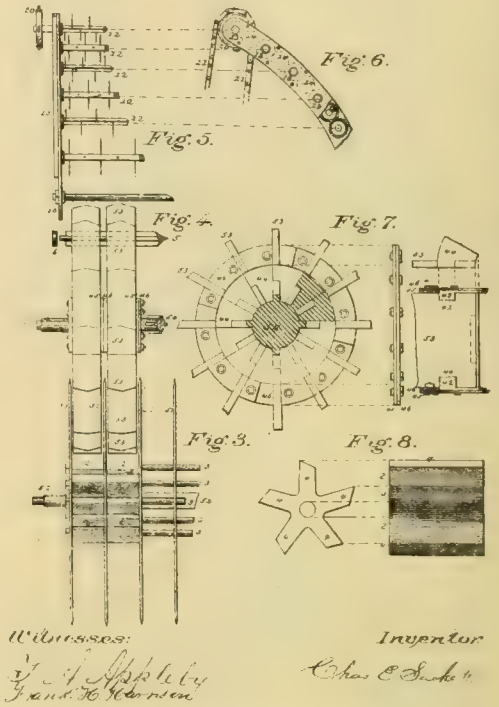
No. 219,116. Patented Sept. 2, 1879.



3 Sheets—Sheet 3

C. E. SACKETT.
Cultivator.

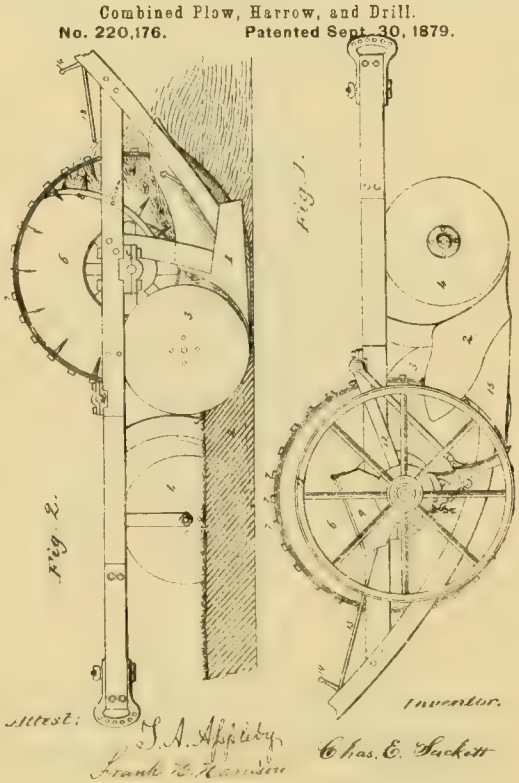
No. 219,116. Patented Sept. 2, 1879.



3 Sheets—Sheet 1.

C. E. SACKETT.
Combined Plow, Harrow, and Drill.

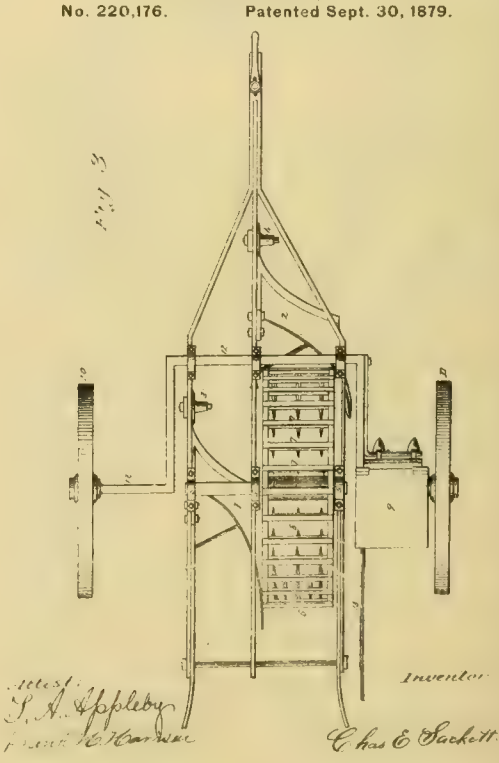
No. 220,176. Patented Sept. 30, 1879.



3 Sheets—Sheet 2.

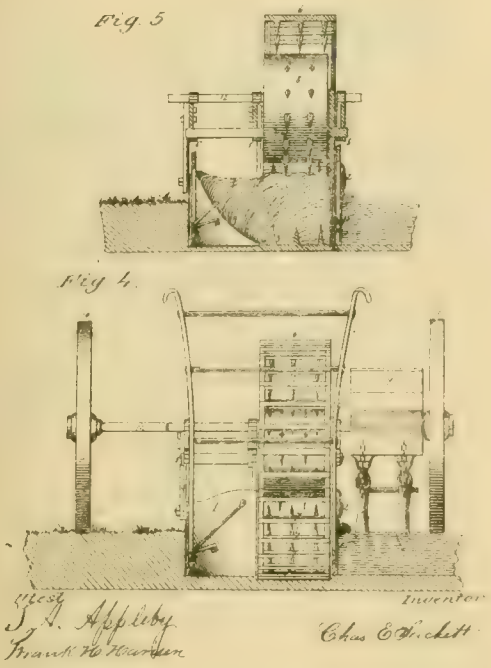
C. E. SACKETT.
Combined Plow, Harrow, and Drill.

No. 220,176. Patented Sept. 30, 1879.



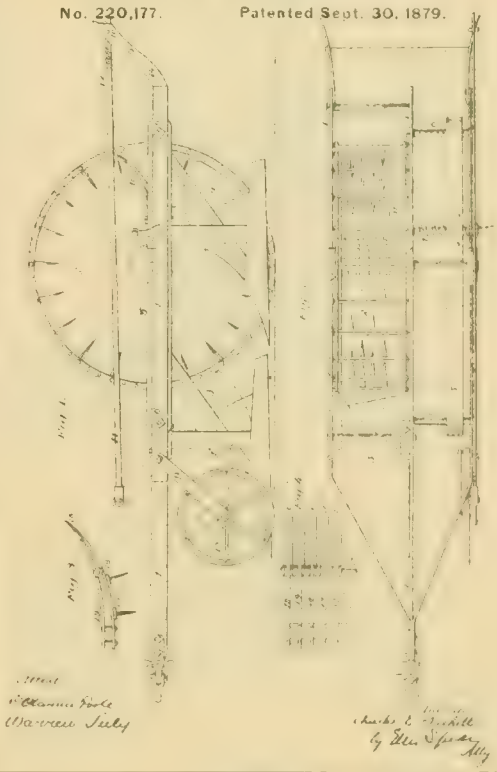
3 Sheets—Sheet 3

C. E. SACKETT.
Combined Plow, Harrow, and Drill.
No. 220,176. Patented Sept. 30, 1879



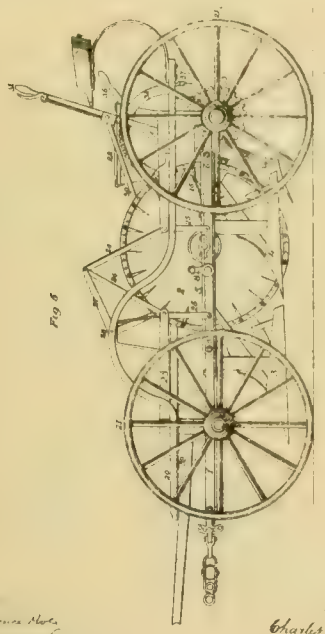
4 Sheets.—Sheet 1.

C. E. SACKETT.
Combined Plow, Harrow, and Seed-Drill.
No. 220,177. Patented Sept. 30, 1879.



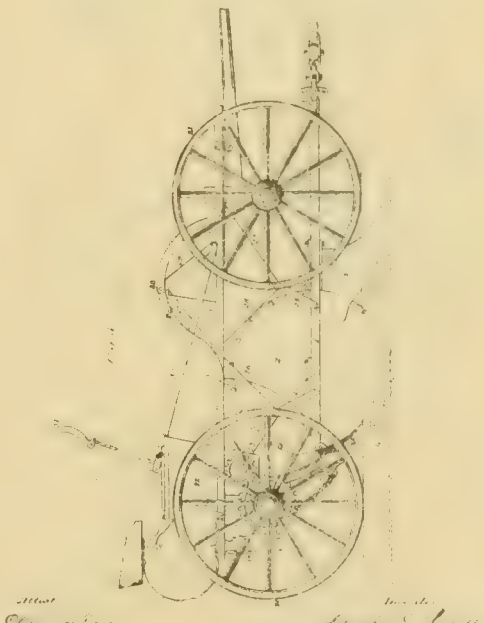
4 Sheets.—Sheet 2

C. E. SACKETT.
Combined Plow, Harrow, and Seed-Drill
No. 220,177. Patented Sept. 30, 1879.



4 Sheets—Sheet 3

C. E. SACKETT
Combined Plow, Harrow, and Seed-Drill.
No. 220,177. Patented Sept 30, 1879.

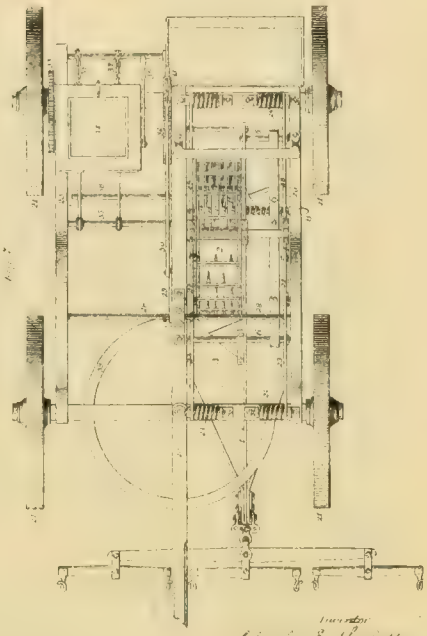


4 Sheets—Sheet 4

C. E. SACKETT.

Combined Plow, Harrow, and Seed-Drill

No. 220,177. Patented Sept. 30, 1879.



Witnesses:
Chas. A. Ker.
Wm. Ker. Seely

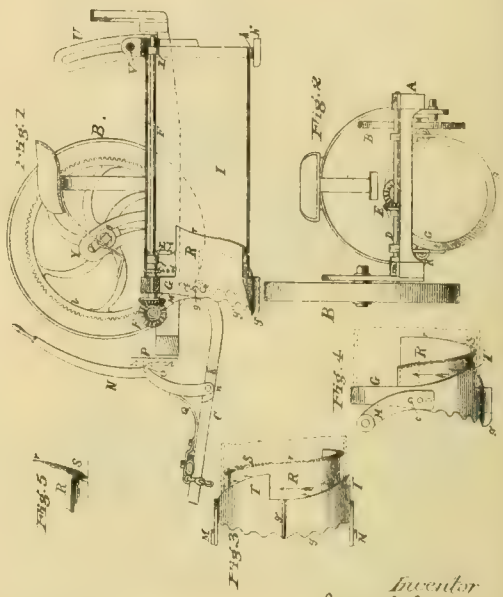
Inventor:
Charles E. Sackett
by Ellis & Spear
Atty

2 Sheets—Sheet 1

R. R. PEDRICK.

Plow.

No. 221,095. Patented Oct 28, 1879.



Attest
Walter Knight
W. H. Brock

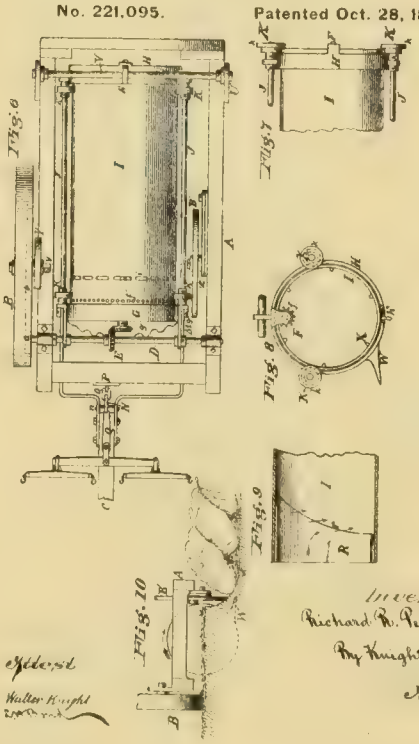
Inventor
Richard R. Pedrick
By Knight Bros.
Attys

2 Sheets—Sheet 2

R. R. PEDRICK.

Plow.

No. 221,095. Patented Oct. 28, 1879.



Attest
Walter Knight
W. H. Brock

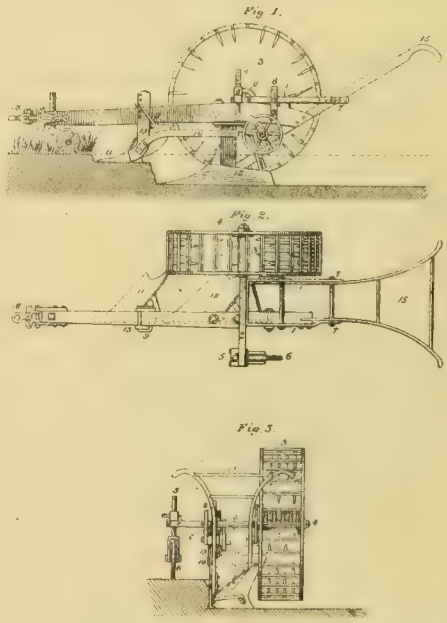
Inventor:
Richard R. Pedrick
By Knight Bros.
Attys

3 Sheets—Sheet 1

C. E. SACKETT.

Combined Plow and Pulverizing Harrow.

No. 222,603. Patented Dec. 16, 1879.



Witnesses:
Leo Seely
R. F. Barnes

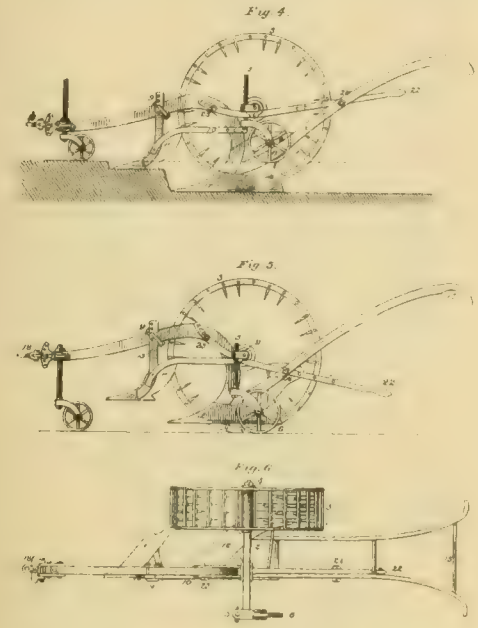
Inventor:
Charles E. Sackett
by Ellis & Spear
Attorney

2 Sheets—Sheet 2

C. E. SACKETT.

Combined Plow and Pulverizing Harrow.

No. 222,603 Patented Dec. 16, 1879.



Witnesses
Lewis Sells
R. G. Barnes

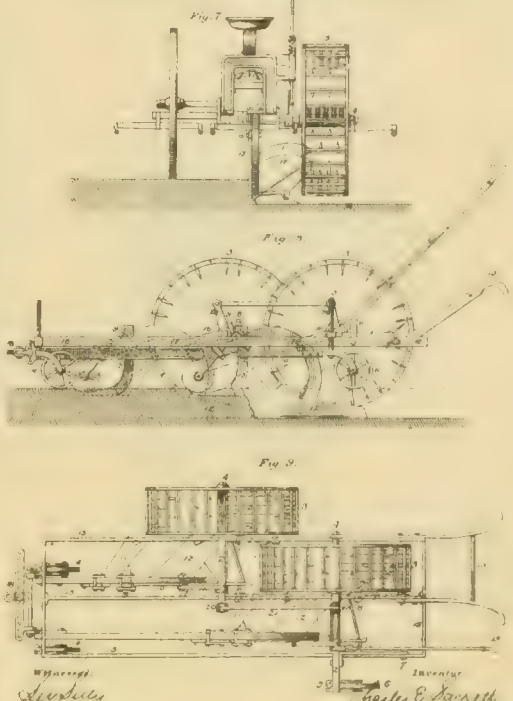
Inventor
Charles E. Sackett
by Ellis Spear
Attorney

3 Sheets—Sheet 3

C. E. SACKETT.

Combined Plow and Pulverizing Harrow.

No. 222,603. Patented Dec. 16, 1879.



Witnesses
Lewis Sells
R. G. Barnes

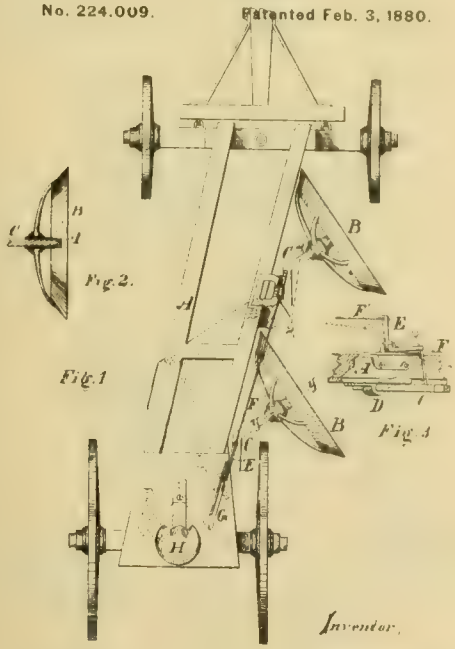
Inventor
Charles E. Sackett
by Ellis Spear
Attorney

2 Sheets—Sheet 1

C. R. FOSTER.

Rotary Gang-Plow.

No. 224,009. Patented Feb. 3, 1880.



Witnesses,
W. C. Corby
Jno. C. MacGregor

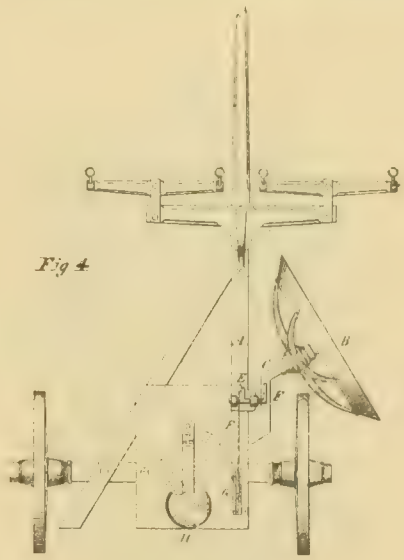
Inventor,
Charles R. Foster
By Johnson & Stachel
Attorneys.

2 Sheets—Sheet 2

C. R. FOSTER

Rotary Gang-Plow

No. 224,009. Patented Feb. 3, 1880.

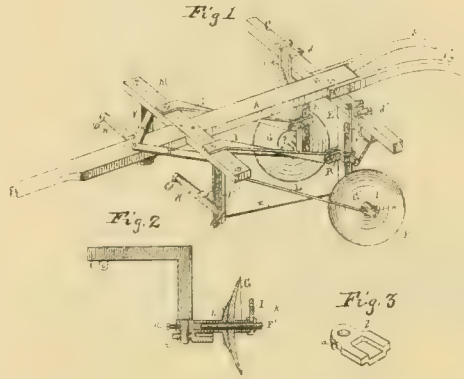


Witnesses
W. C. Corby
Jno. C. MacGregor

Inventor
Charles R. Foster
By Johnson & Stachel
Attorneys

B. J. WEST
Cultivator.

No. 226,691. Patented April 20, 1880.

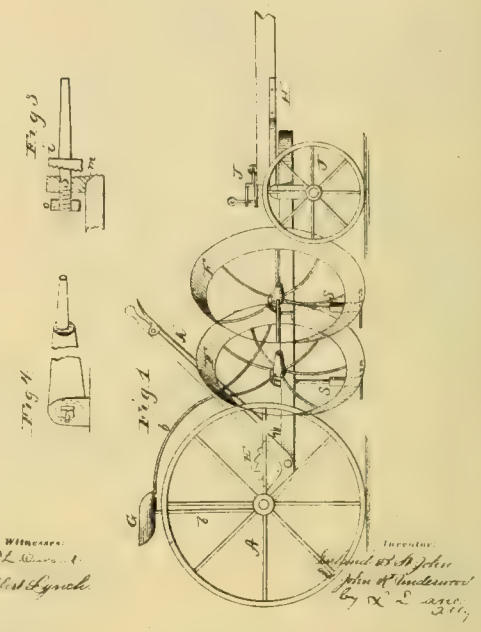


Witnesses
Inventor
By
Attorney

2 Sheets—Sheet 1

G. B. ST. JOHN & J. K. UNDERWOOD
Rotary-Plow.

No. 227,070. Patented April 27, 1880.

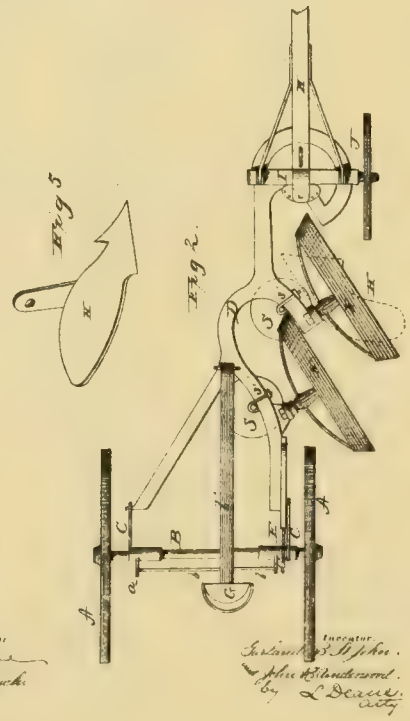


Witnesses:
Inventors:

2 Sheets—Sheet 2

G. B. ST. JOHN & J. K. UNDERWOOD.
Rotary-Plow.

No. 227,070. Patented April 27, 1880.

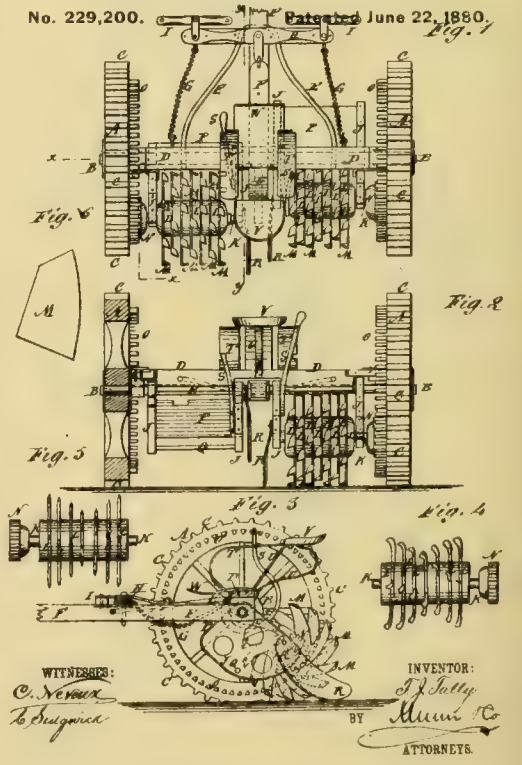


Witnesses:
Inventor

(No Model.)

T. J. TALLY.
Rotary Plow.

No. 229,200. Patented June 22, 1880.



WITNESSES:
C. Neveux
T. Bedgwick

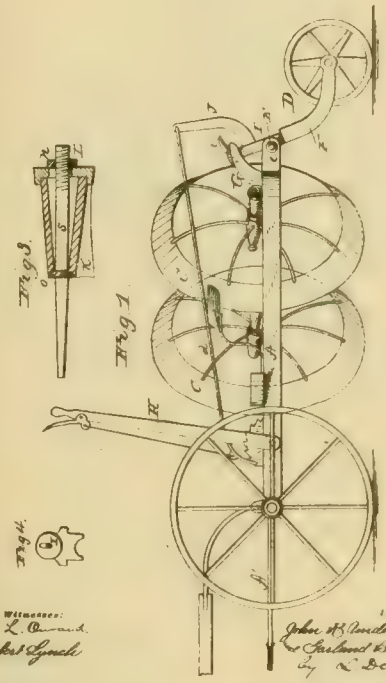
INVENTOR:
T. J. Tally
BY Munn & Co
ATTORNEYS.

2 Sheets—Sheet 1

J. K. UNDERWOOD & G. B. St. JOHN

Rotary Plow.

No. 233,455. Patented Oct. 19, 1880.



Witnesses:
D. L. Crandall
Robert Lynch

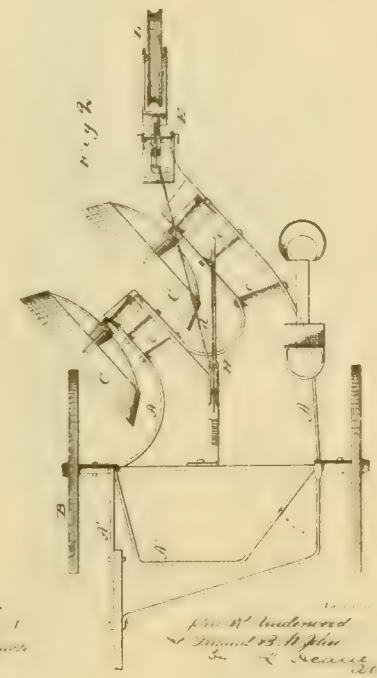
Inventor:
John K. Underwood
and Garland B. St. John
by L. Deane
Atty.

2 Sheets—Sheet 2

J. K. UNDERWOOD & G. B. St. JOHN

Rotary Plow.

No. 233,455 Patented Oct 19, 1880.



Witnesses:
Wm. Wm. [illegible]
Albert Lynch

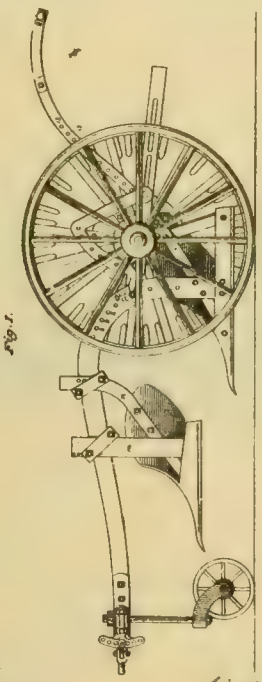
Inventor:
John K. Underwood
and Garland B. St. John
by L. Deane
Atty.

(No Model.) 6 Sheets—Sheet 1.

C. E. SACKETT.

Combined Plow and Pulverizing Apparatus.

No. 233,809. Patented Oct. 26, 1880.



Witnesses:
R. F. Barnes.
L. W. Seely

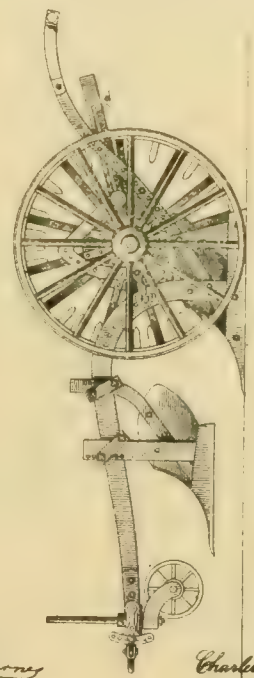
Inventor:
Charles E. Sackett
by Ellis Spear
Attorney

(No Model.) 6 Sheets—Sheet 2.

C. E. SACKETT

Combined Plow and Pulverizing Apparatus.

No. 233,809. Patented Oct. 26, 1880



Witnesses:
R. F. Barnes
Warren Seely

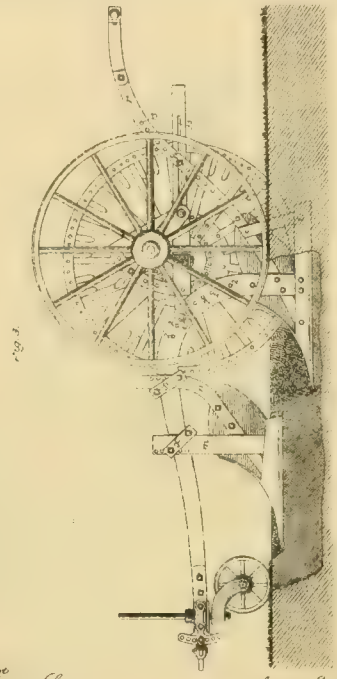
Inventor:
Charles E. Sackett
by Ellis Spear
Attorney

(No Model.) 8 Sheets—Sheet 3

C. E. SACKETT

Combined Plow and Pulverizing Apparatus.

No. 233,809. Patented Oct. 26, 1880.



Witnesses: L. Warren Seely, R. F. Barnes

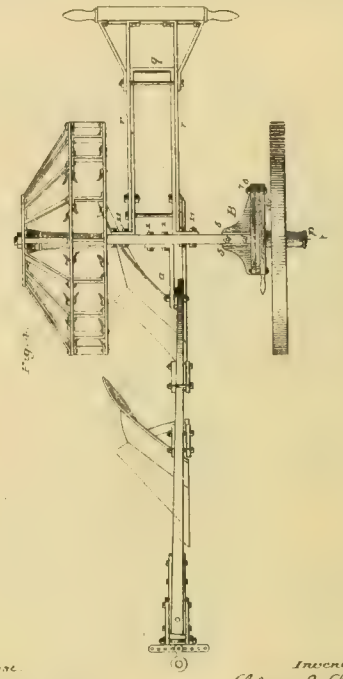
Inventor: Charles E. Sackett by Ellis Spear Attorney

(No Model.) 8 Sheets—Sheet 4

C. E. SACKETT

Combined Plow and Pulverizing Apparatus.

No. 233,809. Patented Oct. 26, 1880.



Witnesses: R. F. Barnes, L. Warren Seely

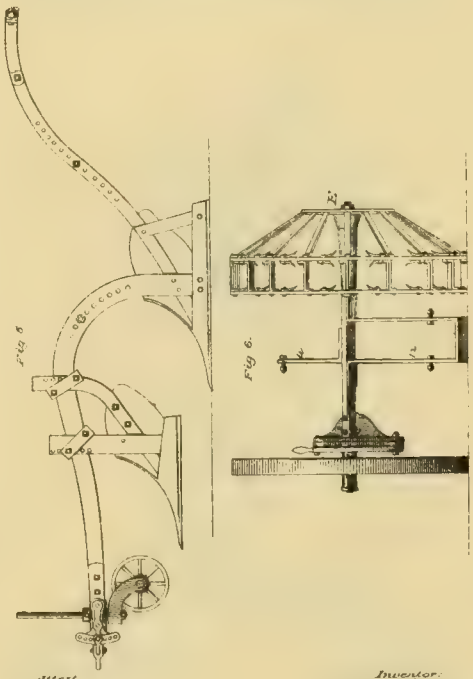
Inventor: Charles E. Sackett by Ellis Spear Attorney

(No Model.) 8 Sheets—Sheet 5

C. E. SACKETT.

Combined Plow and Pulverizing Apparatus.

No. 233,809. Patented Oct. 26, 1880.



Witnesses: R. F. Barnes, L. Warren Seely

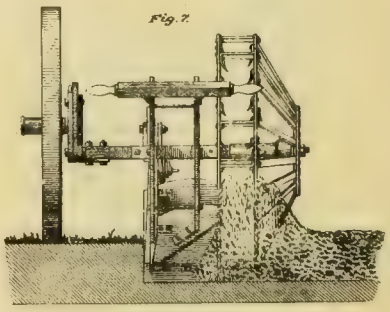
Inventor: Charles E. Sackett by Ellis Spear Attorney

(No Model.) 8 Sheets—Sheet 8.

C. E. SACKETT.

Combined Plow and Pulverizing Apparatus.

No. 233,809. Patented Oct. 26, 1880.



Witnesses: R. F. Barnes, Warren Seely

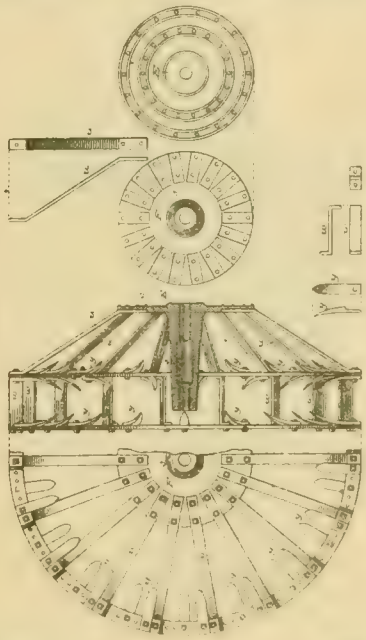
Inventor: Charles E. Sackett by Ellis Spear Attorney

(No Model.) 5 Sheets—Sheet 1

C. E. SACKETT.

Combined Plow and Pulverizing Apparatus.

No. 233,809. Patented Oct. 26, 1880.



Witnesses: W. F. Burnes, Warren Kelly

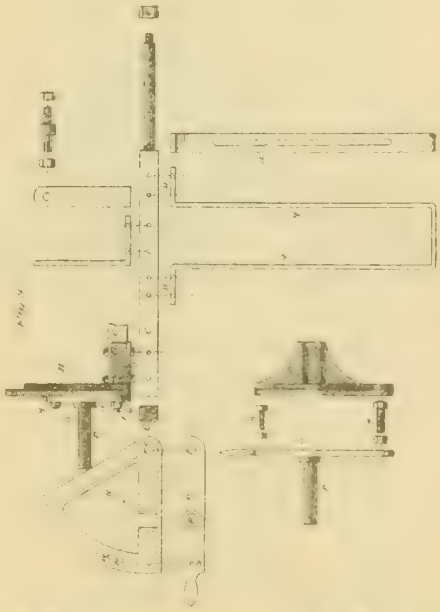
Inventor: Charles E. Sackett, by Geo. H. Fraser, Attorney

(No Model.) 5 Sheets—Sheet 2

C. E. SACKETT.

Combined Plow and Pulverizing Apparatus.

No. 233,809. Patented Oct. 26, 1880.



Witnesses: [illegible]

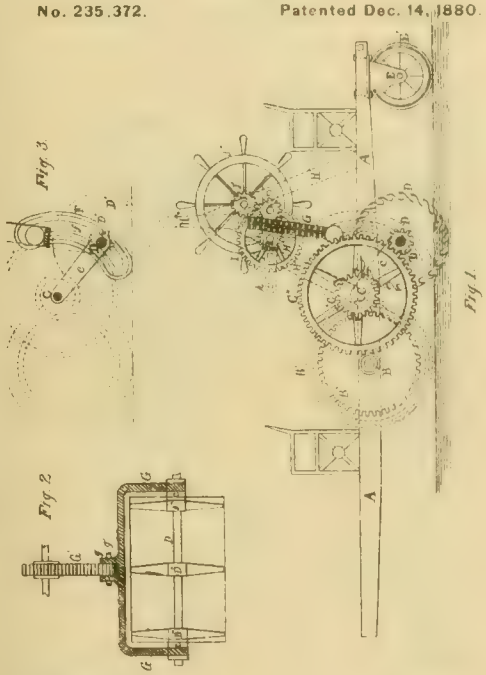
Inventor: Charles E. Sackett, by Geo. H. Fraser, Attorney

(No Model.) 2 Sheets—Sheet 1

T. H. McCRAY.

Rotary Plow.

No. 235,372. Patented Dec. 14, 1880.



Witnesses: Wm. R. Steward, Isaac S. Gray

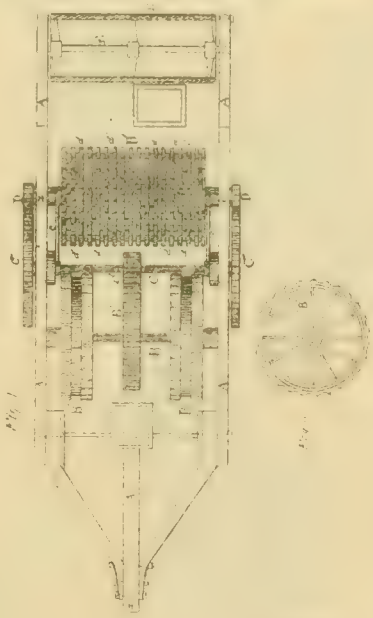
Inventor: Thomas H. McCray, per Wm. R. Singleton, Atty.

(No Model.) 2 Sheets—Sheet 2

T. H. McCRAY

Rotary Plow.

No. 235,372. Patented Dec. 14, 1880.



Witnesses: W. A. Moore, R. P. Edwards

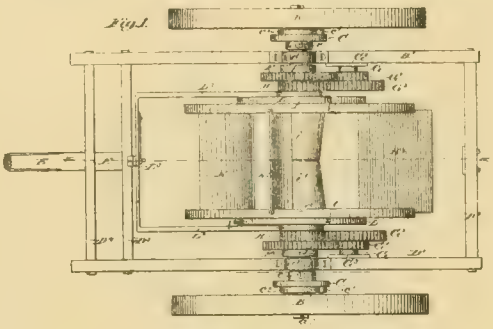
Inventor: Thomas H. McCray, per Wm. R. Singleton, Atty.

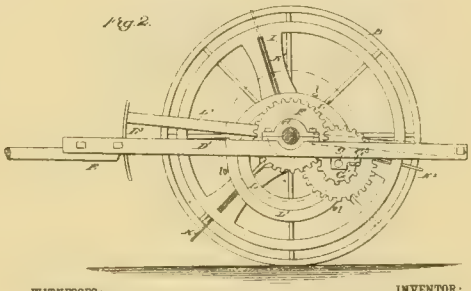
(No Model.) 2 Sheets—Sheet 1

H. H. SPENCER.

Spading Machine.

No. 236,641. Patented Jan. 11, 1881.





WITNESSES:

INVENTOR:

BY

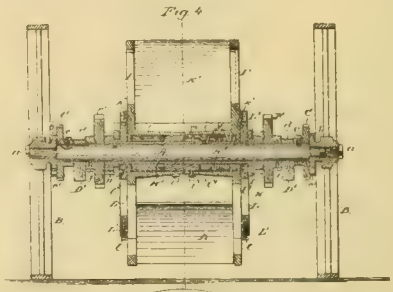
ATTORNEYS.

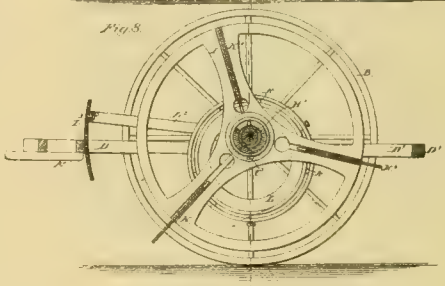
(No Model.) 2 Sheets—Sheet 2

H. H. SPENCER.

Spading Machine

No. 236,641. Patented Jan. 11, 1881.





WITNESSES:

INVENTOR:

BY

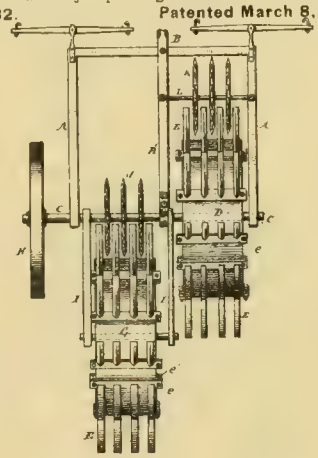
ATTORNEYS.

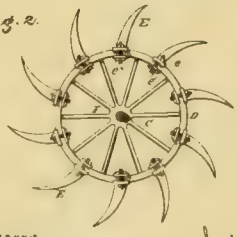
(No Model.)

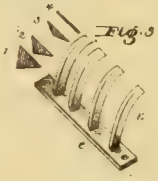
J. SCHUCHARD.

Rotary Spading Machine.

No. 238,532. Patented March 8, 1881.







Witnesses.

Julius Schuchard, Inventor,

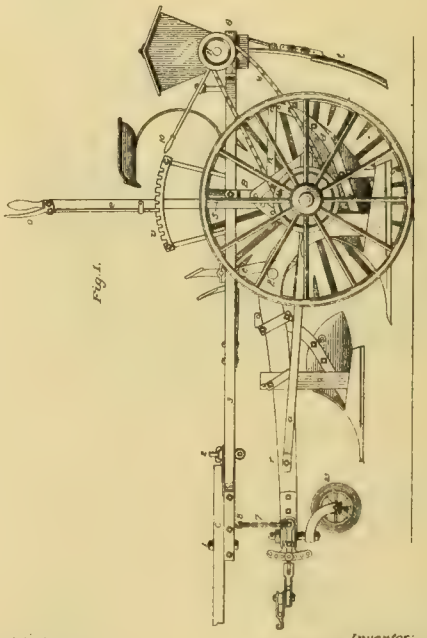
Attorneys

(No Model.) 10 Sheets—Sheet 1.

C. E. SACKETT.

Combined Plow, &c.

No. 238,970. Patented March 15, 1881.



Attest:

Inventor,

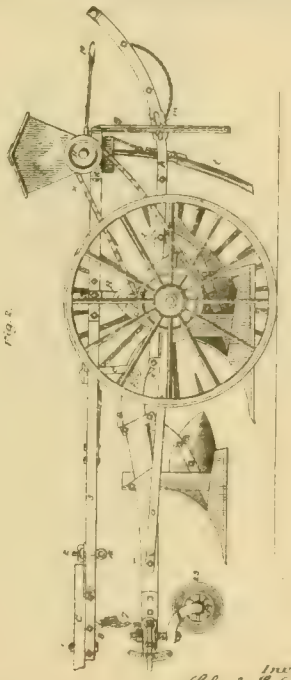
Charles E. Sackett

by

Attorney

(No Model.) 10 Sheets--Sheet 2

C. E. SACKETT.
Combined Plow, &c.
No. 238,970. Patented March 15, 1881.

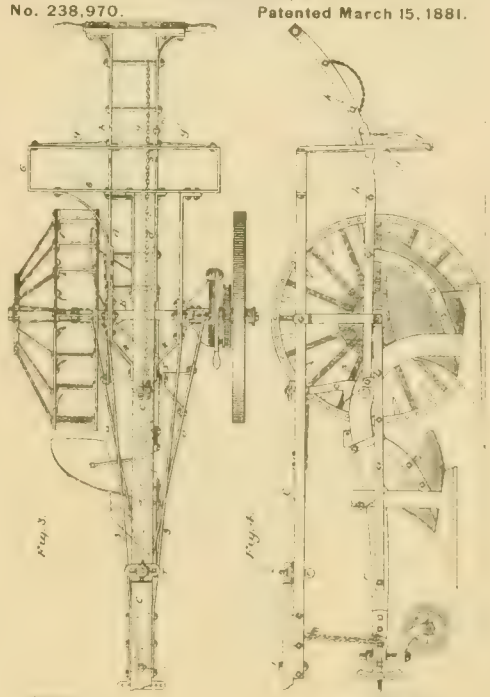


Attest:
R. J. Barnes
L. W. Seely

Inventor:
Charles E. Sackett
by Ellis Spear
Attorney

(No Model.) 10 Sheets—Sheet 3

C. E. SACKETT.
Combined Plow, &c.
No. 238,970. Patented March 15, 1881.

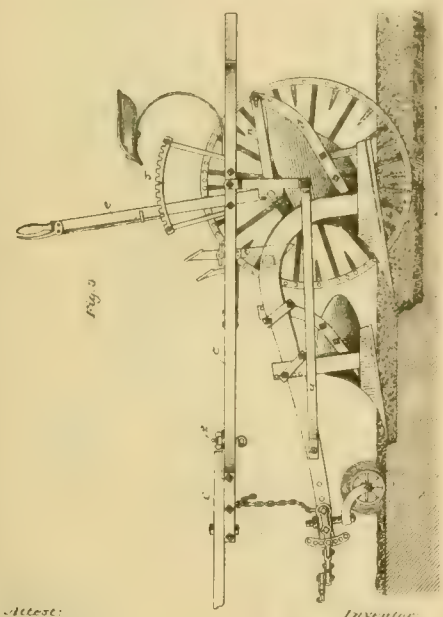


Attest:
R. J. Barnes
L. W. Seely

Inventor:
Charles E. Sackett
by Ellis Spear
Attorney

(No Model.) 10 Sheets—Sheet 4

C. E. SACKETT.
Combined Plow, &c.
No. 238,970. Patented March 15, 1881.

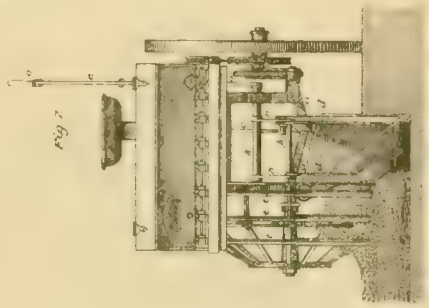


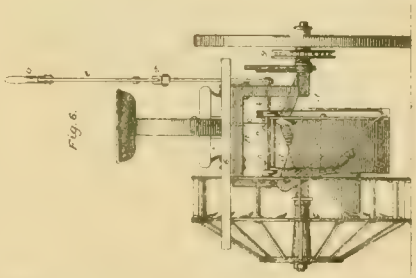
Attest:
R. J. Barnes
L. W. Seely

Inventor:
Charles E. Sackett
by Ellis Spear
Attorney

(No Model.) 10 Sheets—Sheet 5

C. E. SACKETT.
Combined Plow, &c.
No. 238,970. Patented March 15, 1881.





Attest:
R. J. Barnes
L. W. Seely

Inventor:
Charles E. Sackett
by Ellis Spear
Attorney

(No Model.) 10 Sheets—Sheet 6

C. E. SACKETT.

Combined Plow, &c.

No. 238,970. Patented March 15, 1881

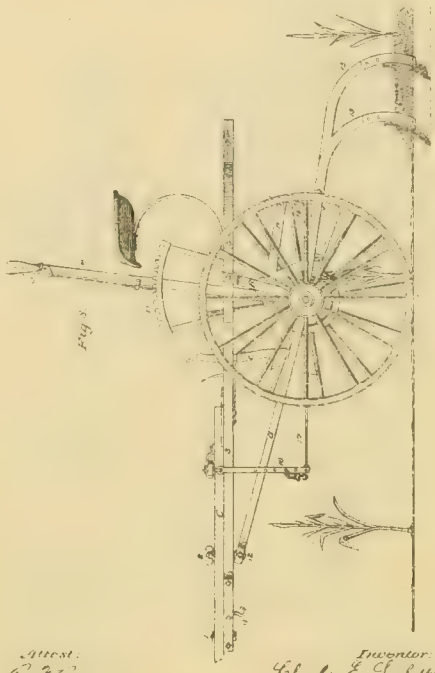


Fig. 8

Attest: R. F. Barnes, S. W. Seely

Inventor: Charles E. Sackett by Wm. Spear Attorney

(No Model.) 10 Sheets—Sheet 7

C. E. SACKETT.

Combined Plow, &c.

No. 238,970. Patented March 15, 1881.

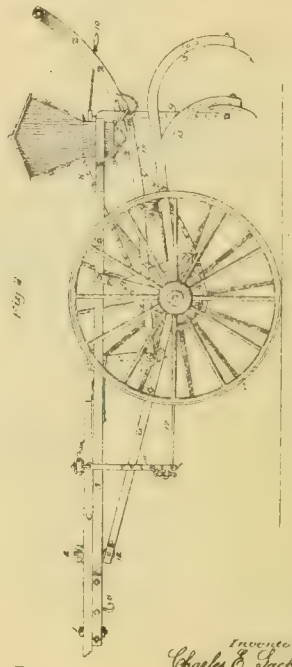


Fig. 9

Attest: R. F. Barnes, S. W. Seely

Inventor: Charles E. Sackett by Wm. Spear Attorney

(No Model.) 10 Sheets—Sheet 8

C. E. SACKETT.

Combined Plow, &c.

No. 238,970. Patented March 15, 1881.

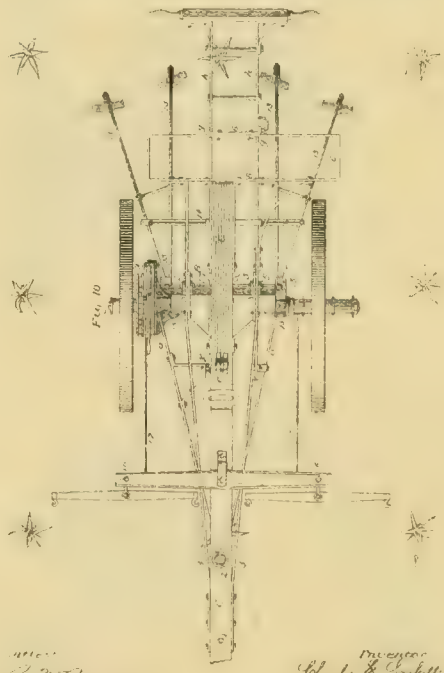


Fig. 10

Attest: R. F. Barnes, S. W. Seely

Inventor: Charles E. Sackett by Wm. Spear Attorney

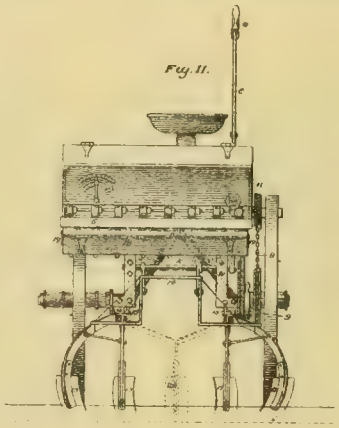
(No Model.) 10 Sheets—Sheet 9

C. E. SACKETT.

Combined Plow, &c.

No. 238,970. Patented March 15, 1881.

Fig. 11.



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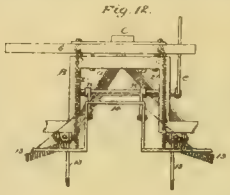


Attest: R. F. Barnes, S. W. Seely

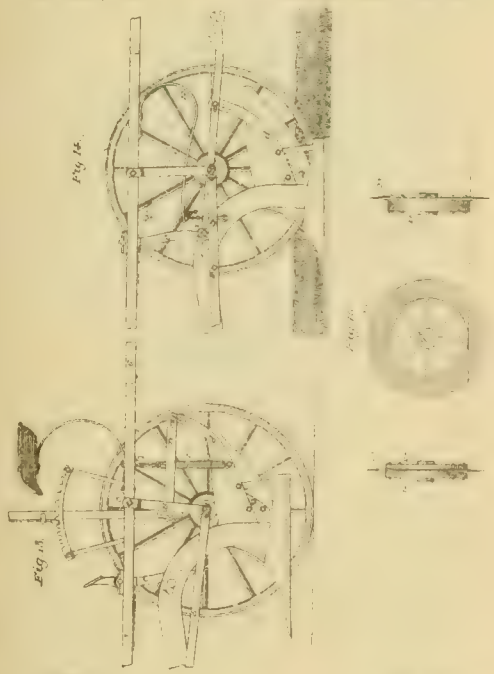
Inventor: Charles E. Sackett by Wm. Spear Attorney

(No Model.) 10 Sheets—Sheet 10

C. E. SACKETT.

Combined Plow, &c.

No. 238,970 Patented March 15, 1881.



Attest

R. F. Barnes

L. M. Seely

Inventor

Charles E. Sackett

by Chas. J. Fox

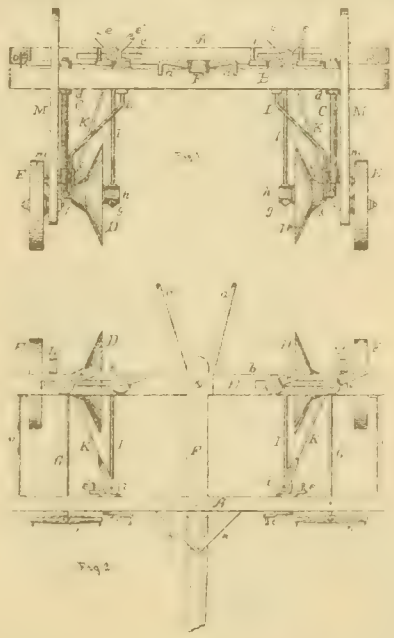
Attorney

(No Model.) 2 Sheets—Sheet 1

J. W. BODLEY.

Rotary Cultivator.

No. 239,219 Patented March 22, 1881.



WITNESSES

T. Harris

Geo. H. Strong

James W. Bodley INVENTOR

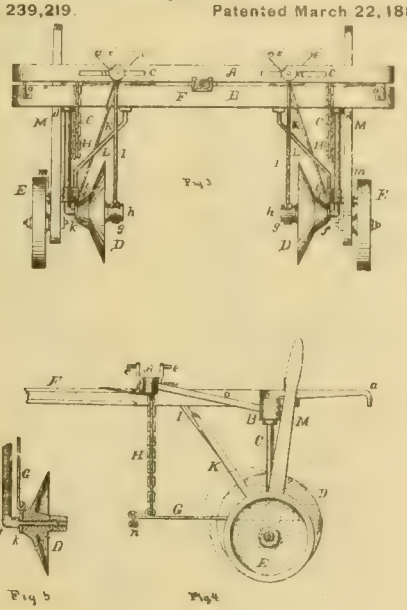
per Howard Bros ATTORNEYS

(No Model.) 2 Sheets—Sheet 2

J. W. BODLEY

Rotary Cultivator.

No. 239,219. Patented March 22, 1881.



WITNESSES.

M. H. Harris

Geo. H. Strong

James W. Bodley INVENTOR

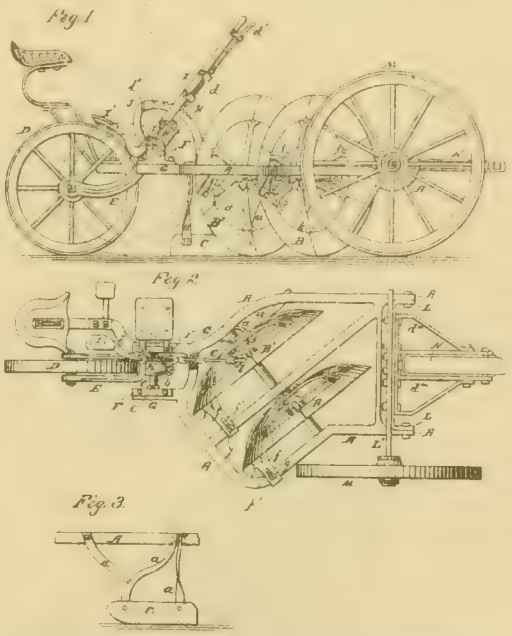
per Howard Bros ATTORNEYS.

(No Model.)

J. AUSTIN.

PLOW.

No. 244,367. Patented July 19, 1881.



Witnesses.

Henry Frankfurter,

F. F. Warner.

Inventor

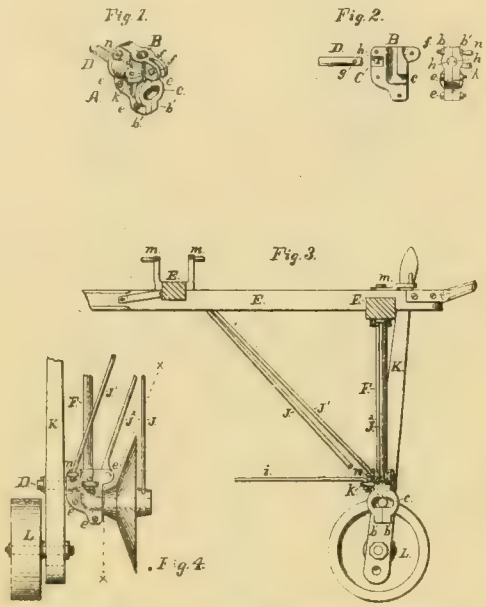
John Austin

(No Model.)

J. W. BODLEY.

ROTARY CULTIVATOR.

No. 245,053. Patented Aug. 2, 1881.



WITNESSES.
J. V. L. Rodgers.
H. Z. Sherrer.

James W. Bodley INVENTOR.

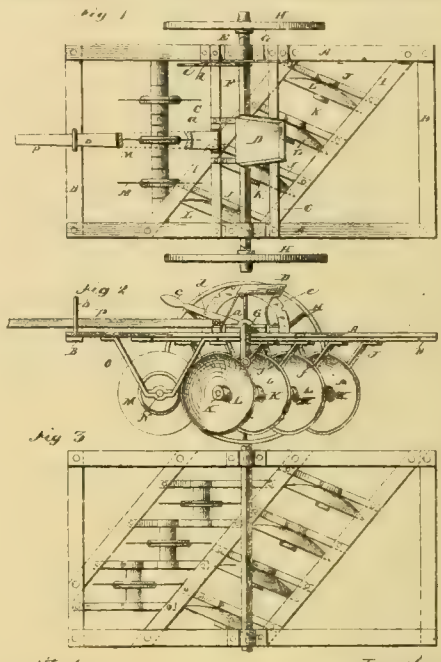
By Howard Bros ATTORNEYS.

(No Model.)

I. N. KYLE.

ROTARY GANG PLOW.

No. 250,739. Patented Dec. 13, 1881.



Attest,
W. H. Hughes
W. Clinchock

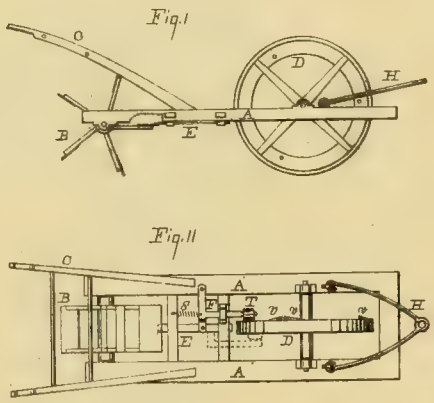
Inventor,
Isaac N. Kyle
by Reed & Ritchie
his Attys.

(No Model.)

F. RICE, A. & M. APPLE.

TOBACCO HILLING MACHINE.

No. 251,135. Patented Dec. 20, 1881.



WITNESSES:
C. A. Kettering
William Wilkins

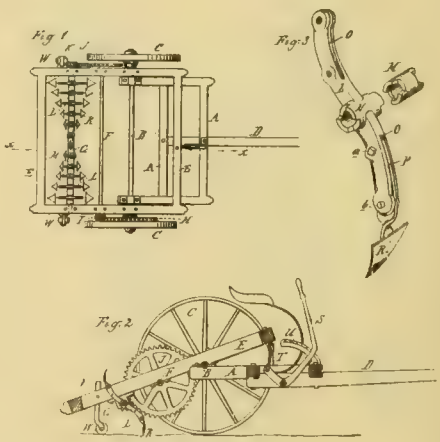
INVENTORS
Franklin Rice
Moses Apple
Adam Apple
BY B. Pickering
their ATTORNEY

(No Model.)

E. E. BOSTWICK.

CULTIVATOR.

No. 256,542. Patented Apr. 18, 1882.



Attest:
J. Barthel
C. Scully

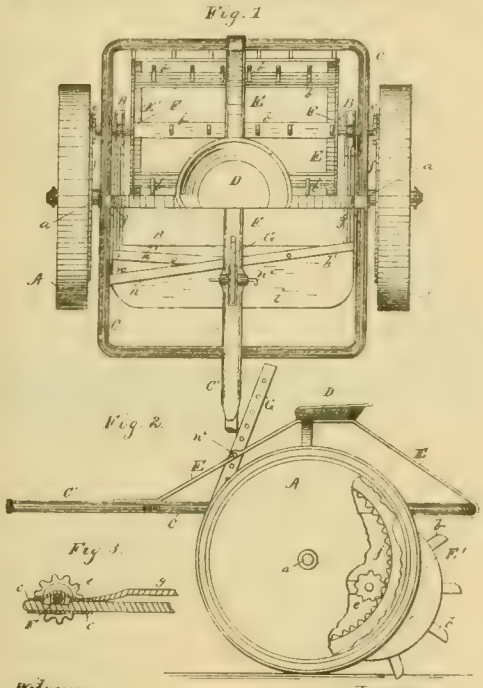
Inventor:
Edward E. Bostwick
per Thos. S. Sprague
Atty.

(No Model.)

I. HUFFER.

SOIL PULVERIZER.

No. 256,801. Patented Apr. 18, 1882.



Witnesses.
Edwd L. Yerrill
J. J. McCarthy

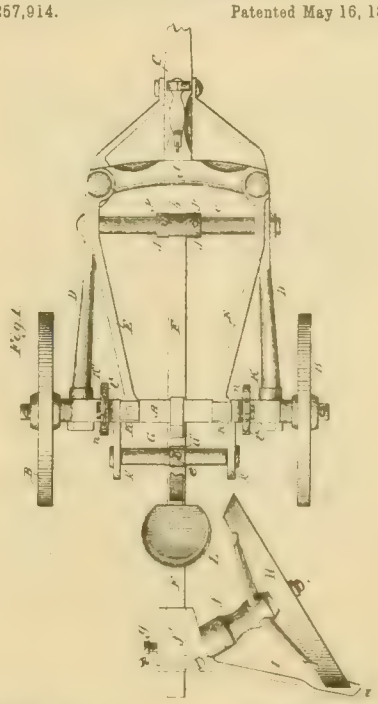
Inventor.
Isaac Huffer.
By S. M. Alexander
his Attorney.

(No Model.) 2 Sheets—Sheet 1.

S. C. BAUCUM.

SULKY PLOW AND COTTON SCRAPER.

No. 257,914. Patented May 16, 1882.



Witnesses
Louis F. Shaduck
Jas. A. Baxter.

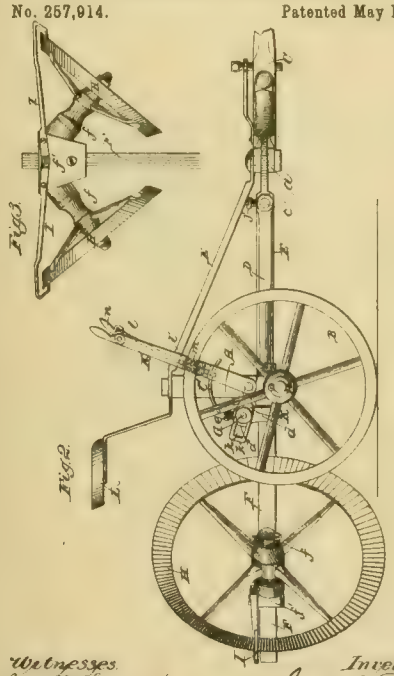
Inventor
Samuel C. Baucum
By Myers & Co
Attys.

(No Model.) 2 Sheets—Sheet 2.

S. C. BAUCUM.

SULKY PLOW AND COTTON SCRAPER.

No. 257,914. Patented May 16, 1882.



Witnesses.
Louis F. Shaduck
Jas. A. Baxter

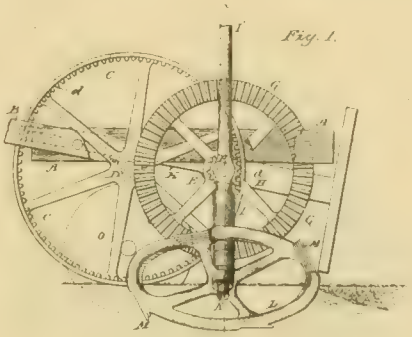
Inventor.
Samuel C. Baucum
By Myers & Co
Attys

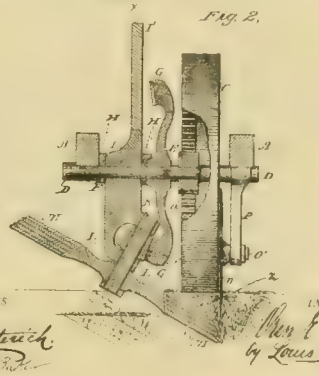
(No Model.)

O. E. MILES.

PLOW.

No. 259,894. Patented June 20, 1882.





WITNESSES
Rd. G. Dietrich
Ed. H. Baker

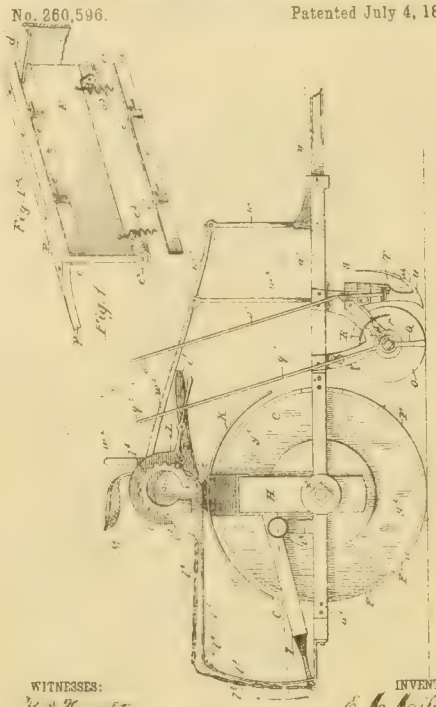
INVENTOR
Owen E. Miles
by Louis Bagger & Co
Attorneys

(Model.) 3 Sheets—Sheet 1

E. M. MILES.

COMBINED REVOLVING PLOW OR SPADER AND ROLLER.

No. 260,596. Patented July 4, 1882.



WITNESSES:
Thos. Houghton
Geo. W. Kenon

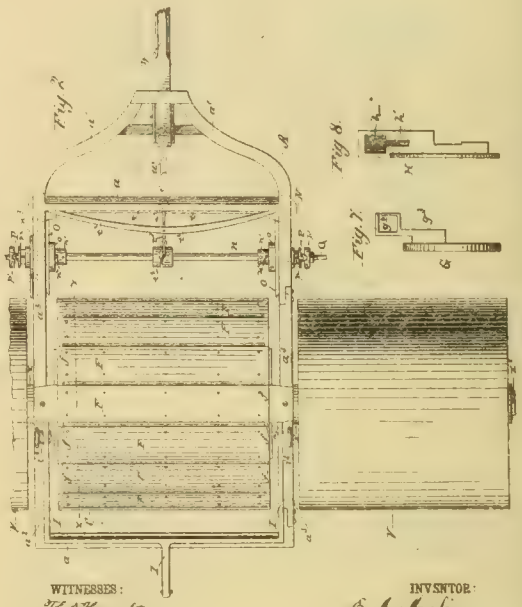
INVENTOR:
E. M. Miles
BY Munn & Co.
ATTORNEYS.

(Model.) 3 Sheets—Sheet 2

E. M. MILES.

COMBINED REVOLVING PLOW OR SPADER AND ROLLER.

No. 260,596. Patented July 4, 1882.



WITNESSES:
Thos. Houghton
Geo. W. Kenon

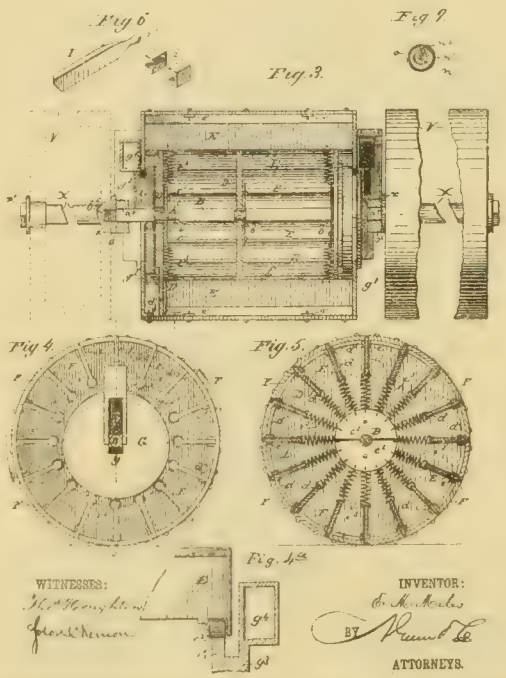
INVENTOR:
E. M. Miles
BY Munn & Co.
ATTORNEYS.

(Model.) 3 Sheets—Sheet 3

E. M. MILES.

COMBINED REVOLVING PLOW OR SPADER AND ROLLER.

No. 260,596. Patented July 4, 1882.



WITNESSES:
Thos. Houghton
Geo. W. Kenon

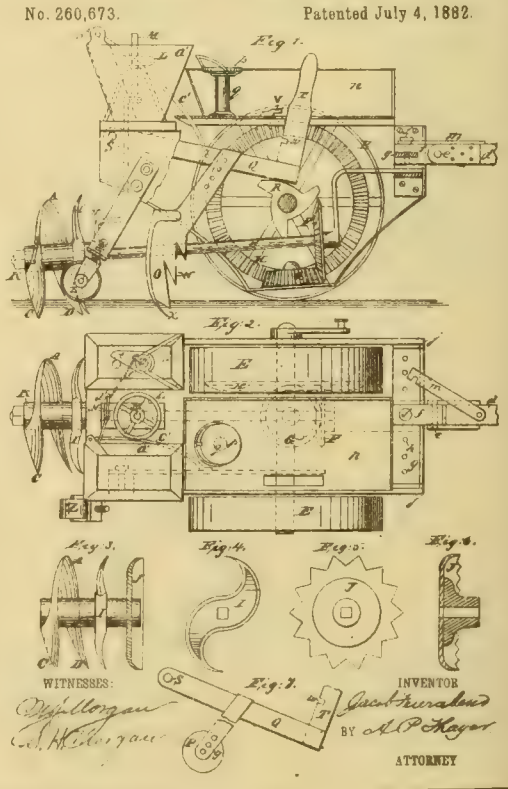
INVENTOR:
E. M. Miles
BY Munn & Co.
ATTORNEYS.

(No Model.)

J. FEIERABEND.

PLOWING AND TILLING APPARATUS.

No. 260,673. Patented July 4, 1882.



WITNESSES:
D. J. Lillogan
A. H. Lillogan

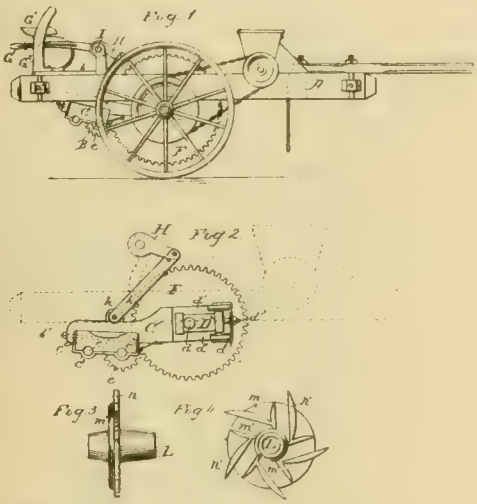
INVENTOR
Jacob Feierabend
BY A. P. Hayes
ATTORNEY

(No Model.) 2 Sheets—Sheet 1

G. PIRRUNG.

ROTARY PLOW.

No. 260,782. Patented July 11, 1882.



Witnesses

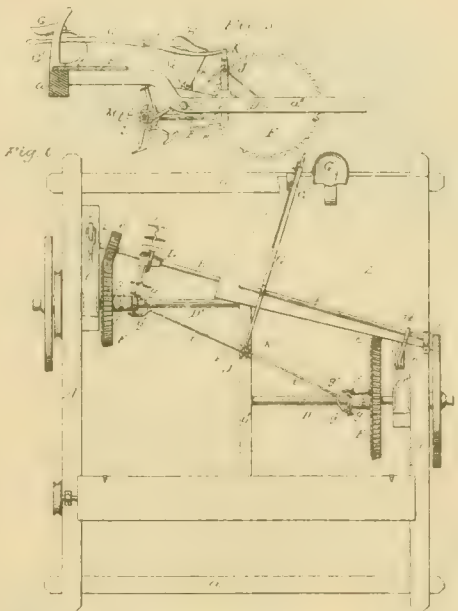
Inventor

(No Model.) 2 Sheets—Sheet 2

G. PIRRUNG.

ROTARY PLOW.

No. 260,782 Patented July 11, 1882.



Witnesses

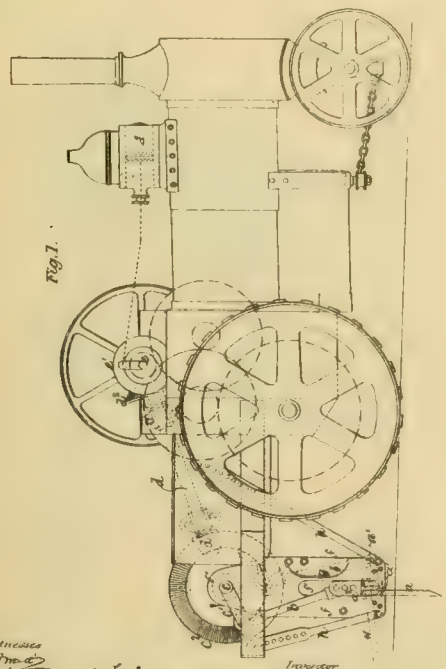
Inventor

(No Model.) 6 Sheets—Sheet 1

W. E. CROSSBY & A. CAREY.

MACHINE FOR DIGGING LAND.

No. 262,377. Patented Aug. 8, 1882.



Witnesses

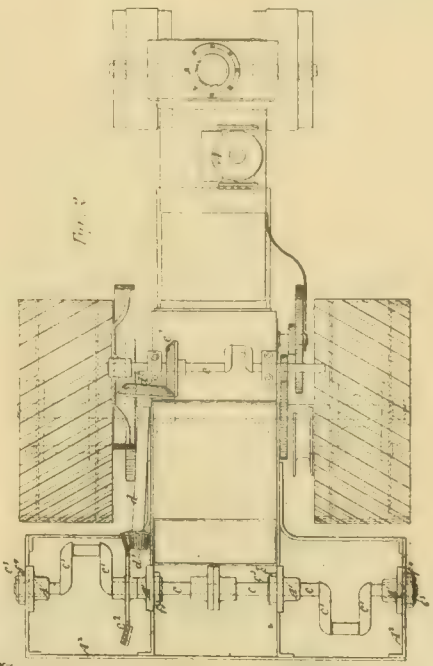
Inventor

(No Model.) 6 Sheets—Sheet 2

W. E. CROSSBY & A. CAREY.

MACHINE FOR DIGGING LAND.

No. 262,377. Patented Aug. 8, 1882.



Witnesses

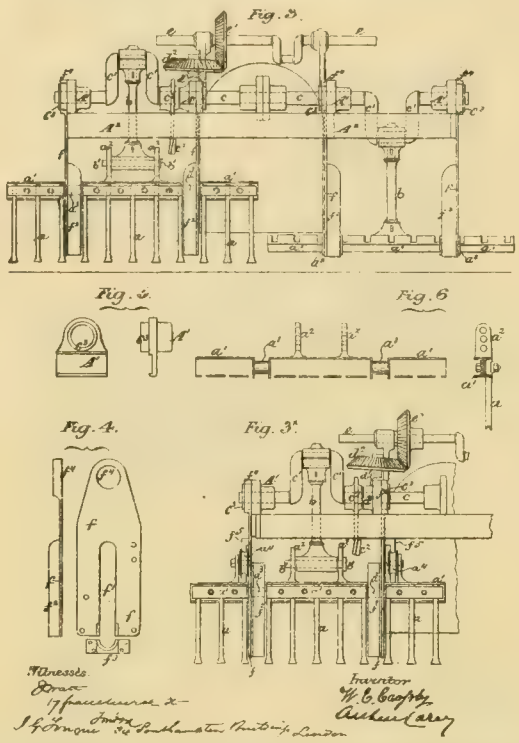
Inventor

(No Model.) 6 Sheets—Sheet 3.

W. E. CROSSBY & A. CAREY

MACHINE FOR DIGGING LAND.

No. 262,377. Patented Aug. 8, 1882.

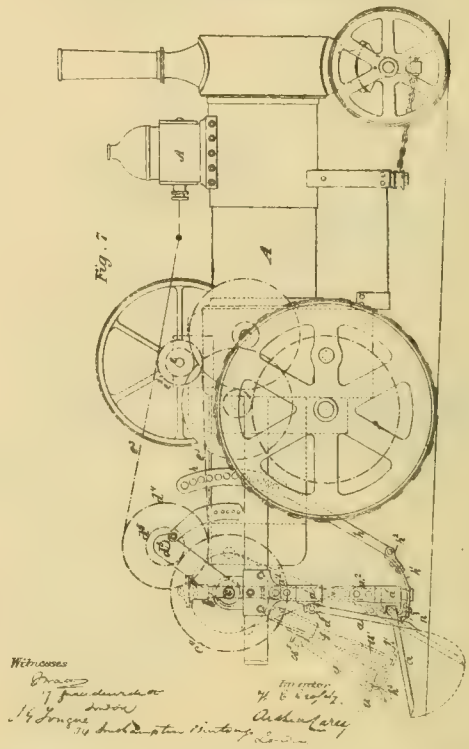


(No Model.) 6 Sheets—Sheet 4.

W. E. CROSSBY & A. CAREY.

MACHINE FOR DIGGING LAND.

No. 262,377. Patented Aug. 8, 1882.

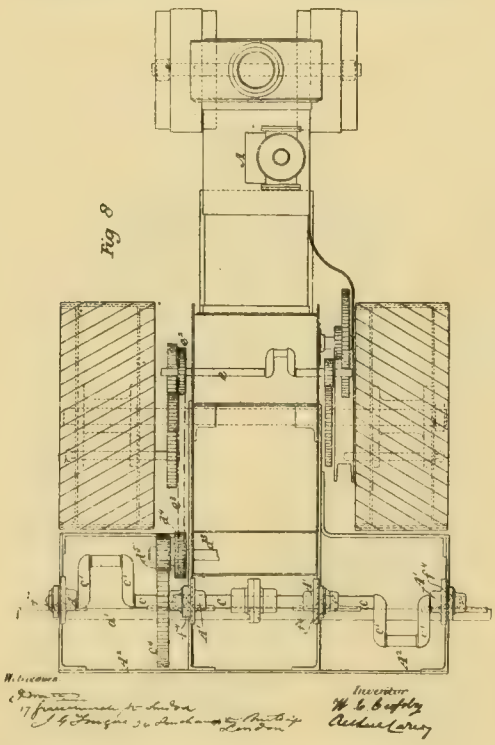


(No Model.) 6 Sheets—Sheet 5

W. E. CROSSBY & A. CAREY.

MACHINE FOR DIGGING LAND.

No. 262,377. Patented Aug. 8, 1882.

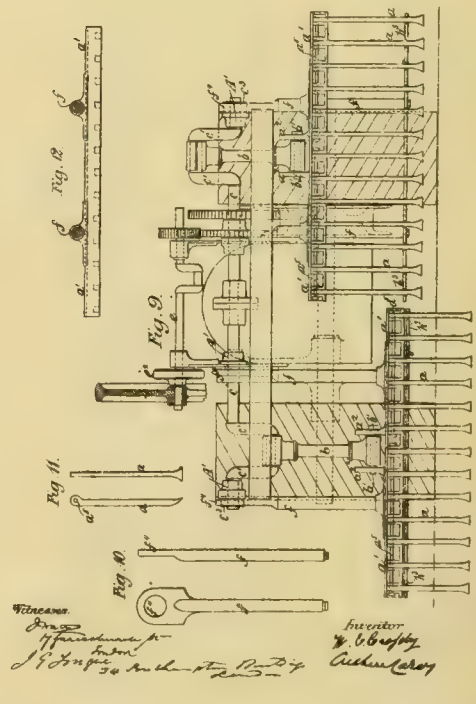


(No Model.) 6 Sheets—Sheet 6

W. E. CROSSBY & A. CAREY

MACHINE FOR DIGGING LAND.

No. 262,377. Patented Aug. 8, 1882.

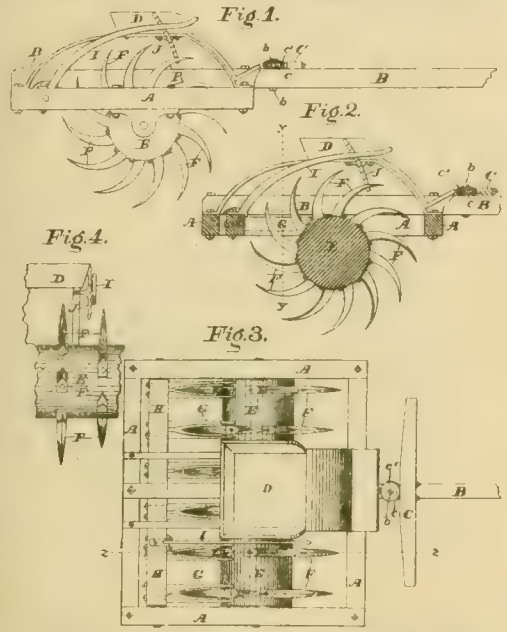


(No Model.)

A. J. COCHRAN.

SOIL PULVERIZER.

No. 265,917. Patented Oct. 10, 1882.



WITNESSES: Chas. N. Leonard, E. H. Bradford

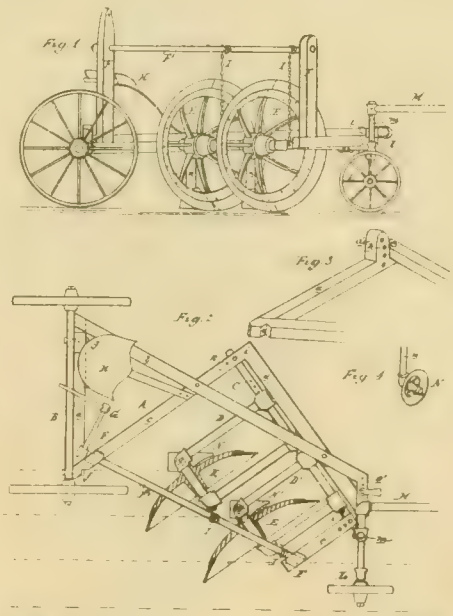
INVENTOR: Andrew J. Cochran, C. Bradford, Attorney

(No Model.)

E. G. GODDARD.

ADJUSTABLE ROTARY SULKY PLOW.

No. 266,689. Patented Oct. 31, 1882.



Attest: A. Barthel, N. R. Moyer

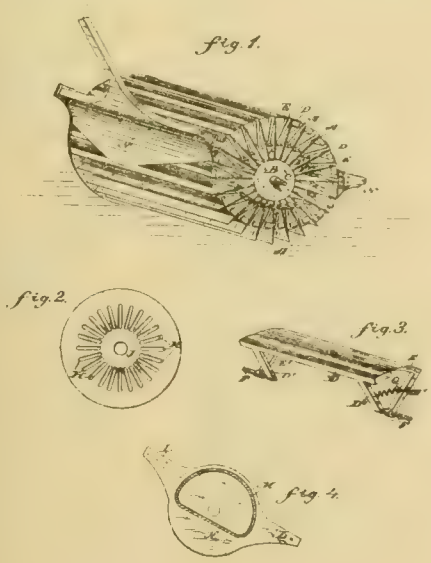
Inventor: Ezra G. Goddard, per Ro. S. Sprague, Atty

(No Model.)

J. B. HURD.

REVOLVING PLOW.

No. 266,824. Patented Oct. 31, 1882.



WITNESSES: Geo. Beyer, C. Bridgman

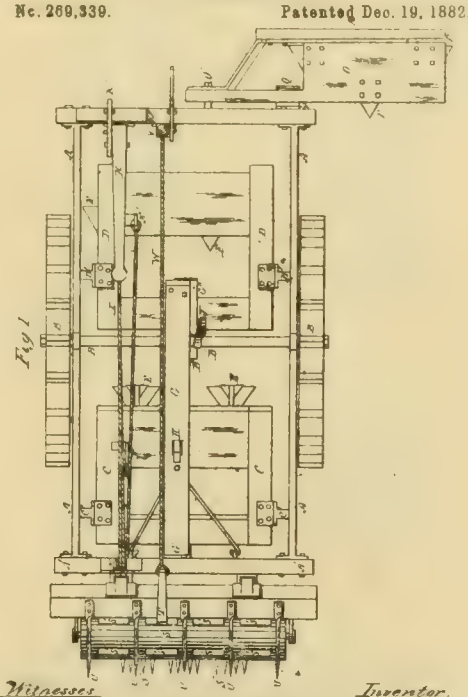
INVENTOR: J. B. Hurd, BY Munn & Co., ATTORNEYS.

(No Model.) 3 Sheets—Sheet 1.

L. STEBBINS.

CULTIVATING MACHINE.

No. 269,339. Patented Dec. 19, 1882.



Witnesses: Edwin F. Dimock, Wilmot Horton

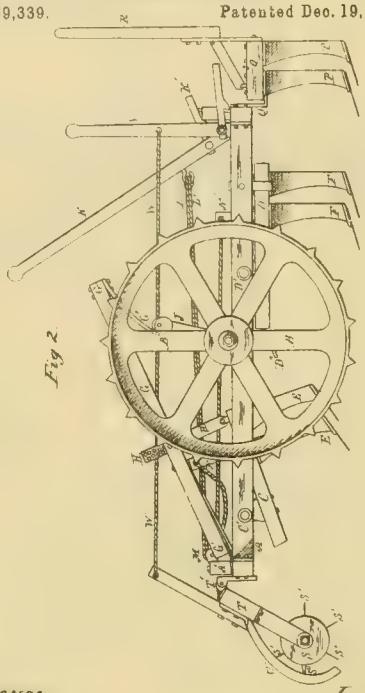
Inventor: Lucius Stebbins, by Chas. E. Lee, Attorney

(No Model.) 3 Sheets—Sheet 2

L. STEBBINS.

CULTIVATING MACHINE.

No. 269,339. Patented Dec. 19, 1882.



Witnesses.
Edwin F. Dimock
Wilmot Horton

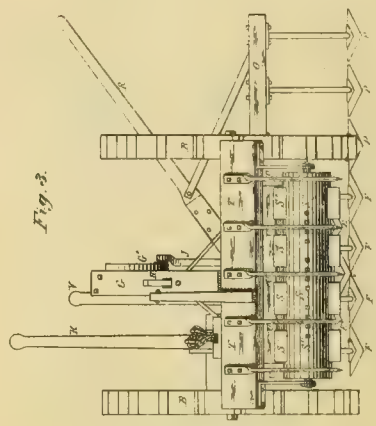
Inventor.
Lucius Stebbins
by Thos. G. Lees,
Attorney

(No Model.) 3 Sheets—Sheet 3

L. STEBBINS.

CULTIVATING MACHINE.

No. 269,339. Patented Dec. 19, 1882.



Witnesses.
Edwin F. Dimock
Wilmot Horton

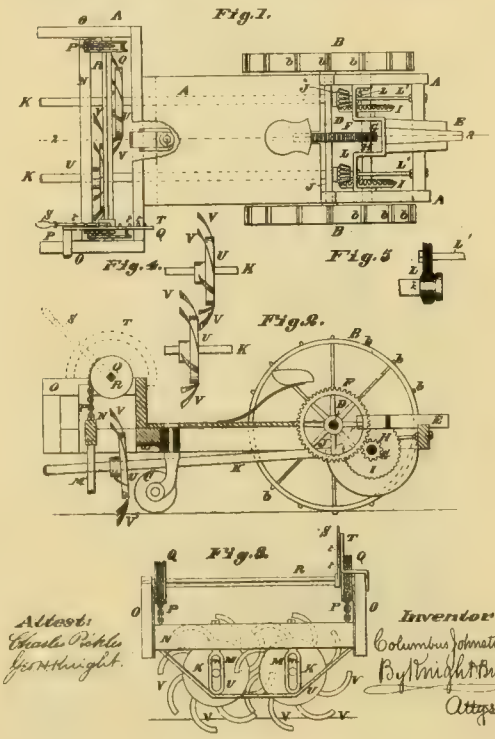
Inventor.
Lucius Stebbins
by Thos. G. Lees,
Attorney.

(No Model.) 2 Sheets—Sheet 1.

C. JOHNSTON.

ROTARY PLOW AND PULVERIZER.

No. 269,792. Patented Dec. 26, 1882.



Attest:
Charles Pickles
Jas H. Wright.

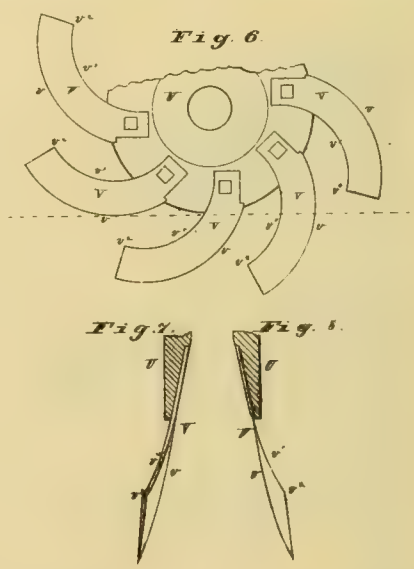
Inventor.
Columbus Johnston
By Wright Bros
Attys.

(No Model.) 2 Sheets—Sheet 2

C. JOHNSTON.

ROTARY PLOW AND PULVERIZER.

No. 269,792. Patented Dec. 26, 1882.



Attest:
Walter Allen
Williams Shepard

Inventor:
Columbus Johnston
By Wright Bros
Attys.

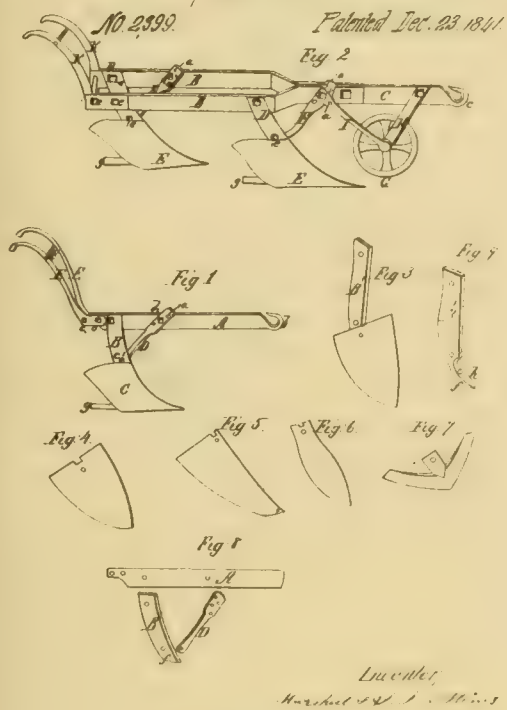
	Plate	Claim
Adams, J.	839	538
Agee, G. S.	905	560
Allen, T. M.	880	551
Andrews, T. G. and Riviere, A.	877	550
Ansley, C. C.	868	547
Archer, J.	871	548
Arrington, W. J.	866	547
Bader, J. Sr.	864	546
Bagnall, W.	878	551
Banks, J.	840	538
Banks, R. W.	881	552
Barber, E.	892	555
Bass, E.	852	541
Bassett, J. M.	890	554
Bassett, J. M.	893	556
Baughn, S. C.	875	550
Beard, M. M. and Purcell, G. W.	888	554
Beard, M. M.	905	561
Beebe, H. C.	898	558
Beets, D.	908	562
Benedict, I. A.	879	551
Bennett, H. R. and D. E.	900	558
Best, R. J.	907	562
Betts, R. L. and A. C.	855	543
Biggs, R. W.	859	544
Billups, C.	873	549
Billups, C.	874	549
Billups, C.	876	550
Binder, A.	882	552
Black, G.	887	553
Blanchard, W. R.	870	548
Blanchard, T. A.	889	554
Blount, J. G. and Haiman, E.	883	552
Bond, J. P.	850	541
Boone, P.	894	556
Borum, S. R. and McClean, W.	840	538
Bowlds, F. H.	872	548
Bowling, J. S. and R.	889	554
Boyle, T. W.	891	555
Bradford, W.	882	552
Brelsford, M. C.	855	543
Brinly, T. E. C.	865	547
Brooks, R. H.	846	540
Burgess, W. D. and Zeigler, G. W.	863	546
Burke, J. M	843	639
Caldwell, J. R. and Herren, J. W.	889	554
Call, M.	883	552
Camp, E. J.	891	555
Carnes, S.	892	555
Carson, A.	859	544
Cato, W. W.	874	549
Clark, E. B.	876	240
Clark, J. M.	860	544
Clark, T. J. and G. M.	876	550
Cobb, J. M.	876	550
Conner, L. H.	901	559
Cooper, G. W.	838	539
Cooper, G. W.	853	542
Cooper, I.	854	542
Cooper, M.	903	560
" " (R)	903	560
Cox, A. G. and Johnson, R. A.	906	561
Crook, C. T. and Hoffman, L. J.	898	558
Crossley, C. M.	895	556
Culver, D.	872	549
Davis, F.	846	540
Davis, L. H. and Aycock, I.	885	553
Davis, V. R.	895	557
De Long, G. A.	891	555
De Long, G. A.	899	558
Dennis, P.	841	538
" " (R)	841	538
Dennis, P.	856	543
Dickerson, W. and Strain, W. H.	896	557
Dormon, J. M.	900	558
Doty, W. H. H.	873	549
Dow, T. H. C.	886	553
Eby, J. M.	850	544
Eppes, A. F.	869	548
Evans, J. D.	861	545
Evans, W. B.	864	546
Farquhar, A. B.	887	554
Farrell, J. O.	894	556
Feldmann, J. H.	906	561
Ferguson, D. P.	888	554
Ferguson, J. C.	889	554
Ford, I. M.	880	551
Foreman, J. H.	836	537
Fort, M.	869	548
French, E. D.	887	554
Gaines, C.	879	551
Gammill, G. W.	899	558
Gandy, O. S.	892	555
Garlington, T. C.	839	538
Gatling, R. J.	836	537
Giger, B.	836	537
Gilbert, D.	860	545
Gilbert, J. R.	868	547
Gilbert, I. R.	903	559
Gilleland, J. H.	894	556
Glenn, N. Z.	873	549
Glover, J. R.	882	552
Goddin, N. A. H.	852	542
Golden, T. E.	905	651
Goodall, J. W.	868	547
Goodrich, B.	857	544
Gorham, J.	840	538
Gorham, J.	845	539
Griffies, W. J.	845	539
Griffin, W.	850	541
Guthrie, L.	867	547
Haessel, J.	864	546
Hall, J. S.	837	537
Hall, J. S.	837	537
Hall, J. M.	842	539
Hancock, M. T.	905	560
Hanes, J.	856	543
Harig, J. H.	902	559
Harmon, W. R.	860	545
Harris, J. P.	842	539
Hearsill, A.	895	557
Hill, D. H.	896	547
Hood, B. R.	845	539
Howell, W. T.	862	545
Hubbard, D. C.	842	539
Huggins, J. S.	848	540
Ihringer, A.	881	552
James, S. T.	898	558
Jarrard, D. H.	884	553
Jennings, W. A.	883	552
Jester, A. E.	884	553
Johnson, W. H.	846	540
" " (A. I.)	847	540
Johnson, W. and Ranney, M.	876	550
Johnson, W. O.	907	561
Jones, T. F.	870	548
Jordan, W. T.	873	549
Keeler, G. W.	863	546
Kennedy, M.	856	543
Kersh, T. E.	887	553
King, R. J.	836	537
King, S. B.	871	548
Kirksey, J. K.	894	556
Lane, J.	904	560
Lane, J.	904	560
Langdon, B.	835	537
Lawrie, J.	906	561
Lee, E. D. and Z. W.	844	539
Lee, Z. W. and E. D.	850	541
Love, W. W.	867	547
Luce, W. H.	857	543
Lyons, J. B.	868	548
McConaughy, T.	841	538
McCullers, M. C.	847	540
McCullers, M. C.	850	541
McDaniel, G. W.	897	557
McNair, T. F.	896	557
McNair, T. F.	904	560
Maloy, D. H.	853	542
Mann, A. S.	877	550
Manning, A. L.	897	557
March, S.	858	544
Marshall, H.	863	546
Martin, J. M. Jr.	897	558
Mell, J. B.	838	538
Mims, M. and S. J.	835	537
Mitchell, J. J.	877	550
Moon, W. S.	890	555
Moore, E.	844	539
Moore, A. N.	862	545
Moore, T. M.	886	553
Moore, T. M.	893	555
Mosher, I. and Eddy, W.	854	542
" " (R)	855	542
Moss, C. L.	906	561
Newsom, A.	890	555
Newsom, A.	897	557
Newsom, I. V.	904	560
Noftz, C. F.	860	546
Nolte, H.	867	547
O'Bryan, C. and Kreps, H.	854	542
" " " " (R)	854	542
O'Neill, W.	844	539
O'Neill, W.	896	547
Orrick, N. C.	898	558
Paget, W. C.	838	537
Paget, W. F.	837	537
Palamountain, I. B.	844	539
Parish, G. W.	886	553
Parker, W. F.	872	549
Pattillo, R. M.	878	551
Peek, S. T.	845	539
Peel, L. G.	865	546
Perry, S.	857	543
Pettigrew, F. J.	880	551
Phillips, O. F.	880	551
Piland, A. H.	884	552
Pitts, J. M.	902	559
Pool, W. R.	867	547
Pool, W. R.	884	552
Pope, S. W.	872	548
Porter, R. D.	874	549
Prentiss, M.	861	545
Preston, J.	877	550
Preston, J.	888	554
Price, W.	836	537
Price, J. A.	885	553
Rabb, W. S.	865	547
Ramage, J. O.	841	538
Reid, W. G.	895	556
Reynolds, F. F.	858	544
" " (R)	858	544
Rhodes, M. G. and Skaggs, J. M.	848	540
Rich, J. and M.	890	554
Richards, W.	902	559
Richardson, F. E.	837	537
Richardson, D. C.	861	545
Richter, C. F.	849	540
Rickard, A.	875	549
Ridley, H. A.	901	559
Riley, S.	866	547
Rivers, A. W. L.	851	541
Riviere, A.	878	551
Robertson, T. A.	850	538
Roden, A.	879	551

	Plate	*Claim*
Rodgers, N.	852	541
Roney, G. W.	845	540
Ross, P. A.	862	545
Sanford, O. P.	382	552
Saunders, W. R.	847	540
Saunders, T.	858	544
Saunders, I. J.	892	555
Schlessman, M.	885	553
Schultz, A.	886	553
Sewell, J.	883	552
Shalters, M. R. and Ray. S.	862	546
Shipp, W. T., Peterson, C. J. and McLurd, R. L.	879	551
Shiver, C. J.	848	540
Singer, J.	871	548
Singleton, D. T.	869	548
Smith, A.	843	539
Smith, D. W.	853	542
Snead, C. W.	870	548
Snodgrass, F. B.	901	559
Snyder, C.	870	548
Snyder, A.	871	548
Stanger, M. E.	861	545
Startzman, W. H.	860	545
Steen C.	857	544
Stephens, H.	859	544
Stewart, U. T.	865	546
Talley, R. J.	896	557
Terrel, T.	856	543
Thompson, J. T.	849	541
Towers, W. W.	885	553
Towers, W., Mc. G. and Sullivan, A. R.	903	559
Turner, W. W.	899	558
Utley, G.	853	542
Wainwright, T. A.	863	546
Walton, E. W.	869	548
Ward, T.	901	559
Warlick, N.	838	538
Washburn, A. W.	839	538
Watson, W.	847	540
Welborn, W. J. N.	907	561
Wells, M. D.	835	537
White. L. B.	875	549
Whitehurst, R. W.	900	558
Whitley, S.	852	542
Whittemore, H. B	881	552
Wiggins, G. W.	896	557
Williams, J. M.	849	541
Williams. R. S.	849	541
Williamson, J. C.	875	550
Williamson, J. C.	842	538
Willson, J. S.	848	540
Wilson, W. H.	843	539
Wilson, J. F. and R. I.	888	554
Wixson, R.	893	556
Wooldbridge, S. H.	855	543
Workman, R. W.	893	556
Wormell, W. E.	751	541
Yost, G. W. N.	851	541
Zollickoofer, W. T.	851	541

M. & S. J. Mills.

Shovel Plow.

No. 2,399. Patented Dec. 23 1841.

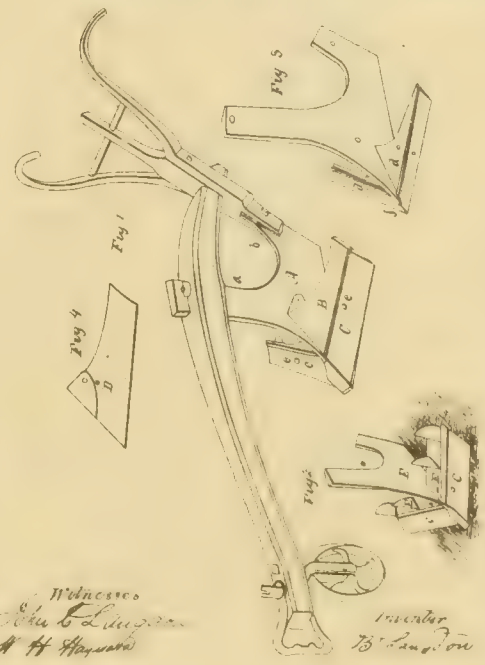


Inventor,
Marshall & S. J. Mills

B. Langdon.

Plow,

No. 2,689, Patented June 24, 1842



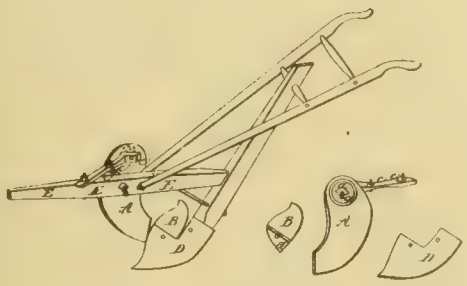
Witnesses
John B. Langdon
W. H. Haywards

Inventor
B. Langdon

W. C. Pagett.

Shovel Plow.

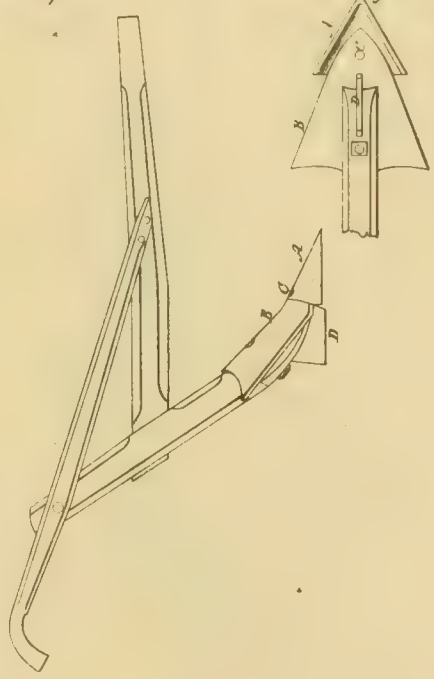
No. 2,818. Patented Oct 17, 1842.



M. D. Wells.

Shovel Plow.

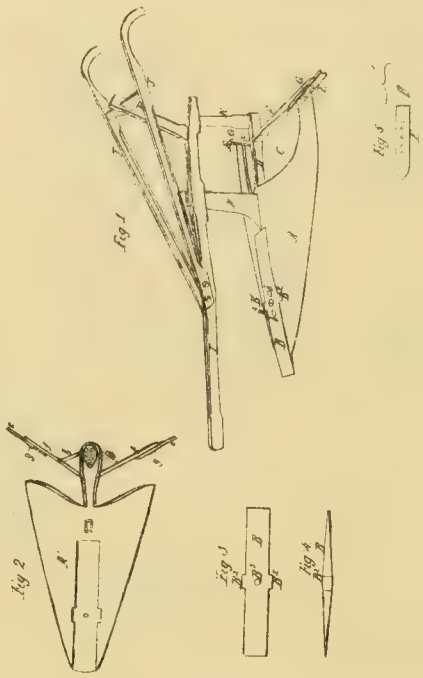
No. 4,500. Patented May 9. 1846.



R. J. Gidding.

Shovel Plow.

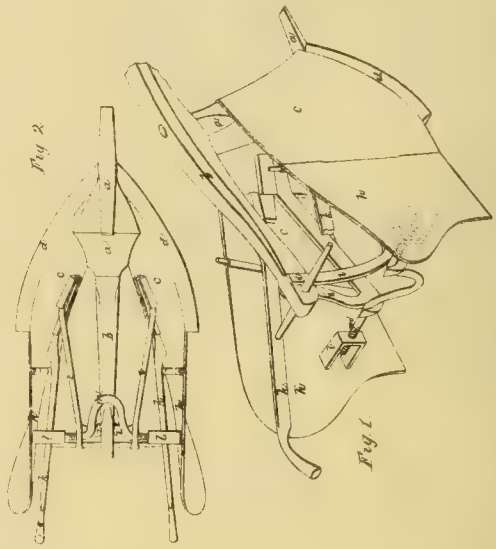
No. 6,150. Patented May 29, 1847.



R. J. King.

Plow.

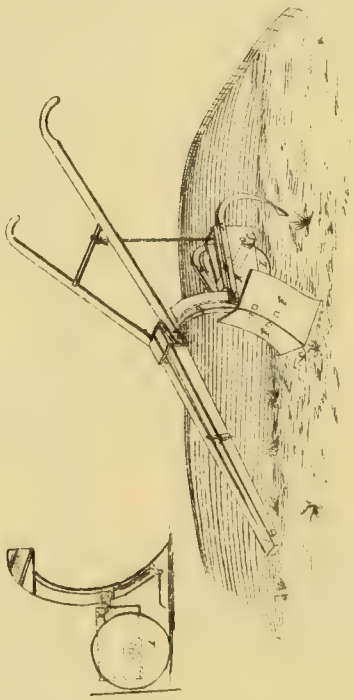
No. 7,141. Patented Mar. 5, 1850.



B. Cizer.

Corn Plow.

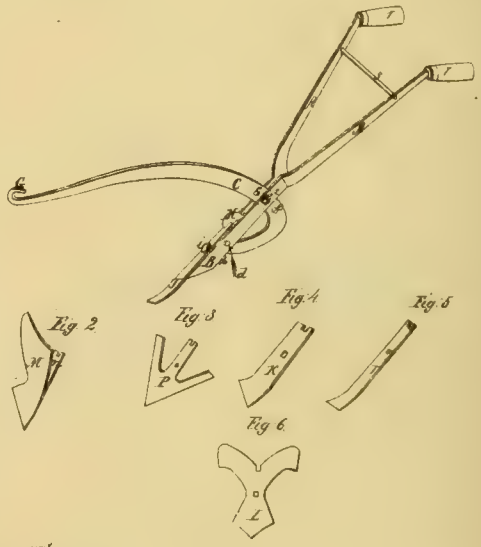
No. 8,170. Patented Jan. 24, 1851.



J. H. Forman.

Plow.

No. 8,781. Patented Feb. 10, 1851.



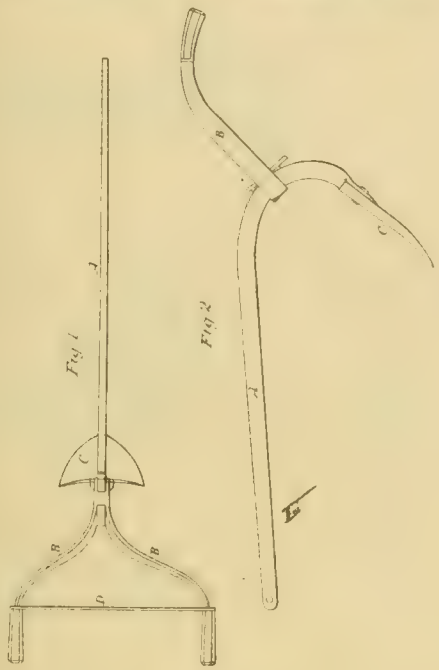
Witnesses,
H. Fry
John Jones

Inventor,
J. H. Forman

W. F. Pagett.

Shovel Plow.

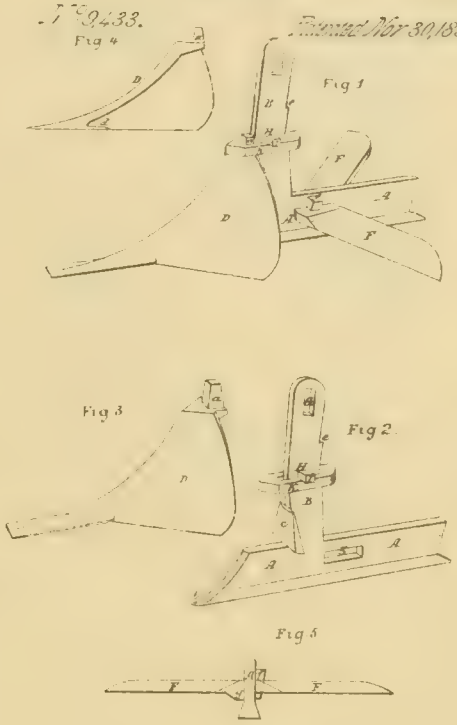
No. 28,842. Patented Mar. 30, 1862.



F. L. Kinkendon.

Shovel Plow.

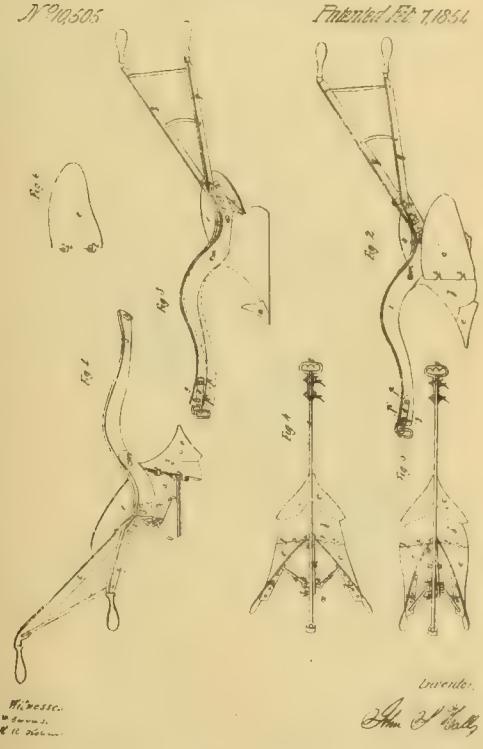
No. 9,433. Patented Nov. 30, 1852.



J. S. Hall.

Shovel Plow.

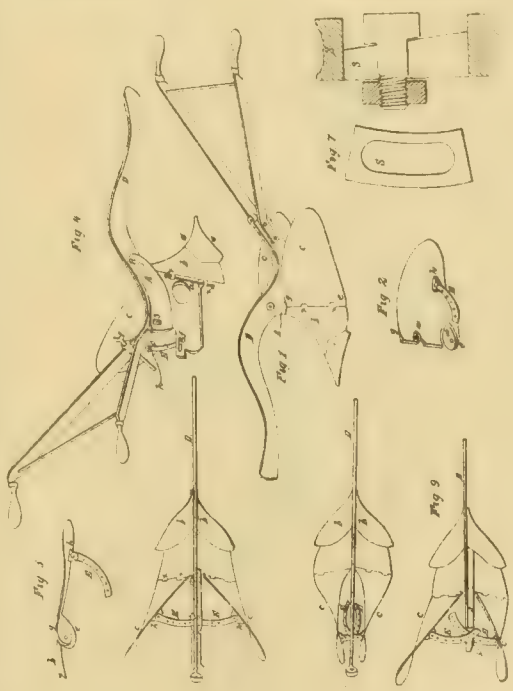
No. 10,505. Patented Feb. 7, 1854.



J. S. Hall.

Shovel Plow.

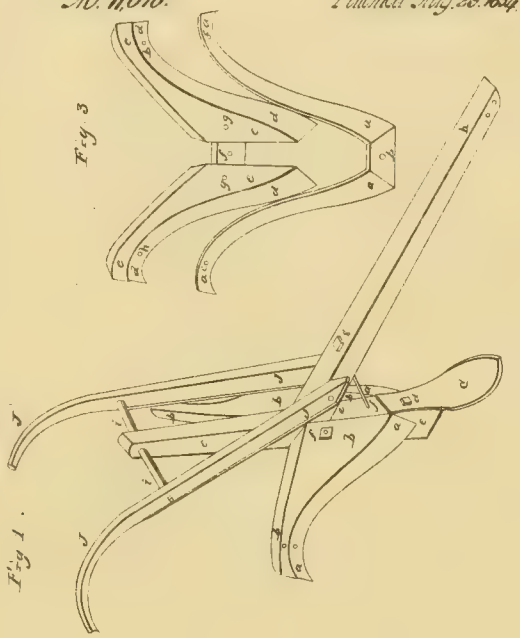
No. 11,166. Patented Jan. 11, 1854.



W. Price,

Shovel Plow.

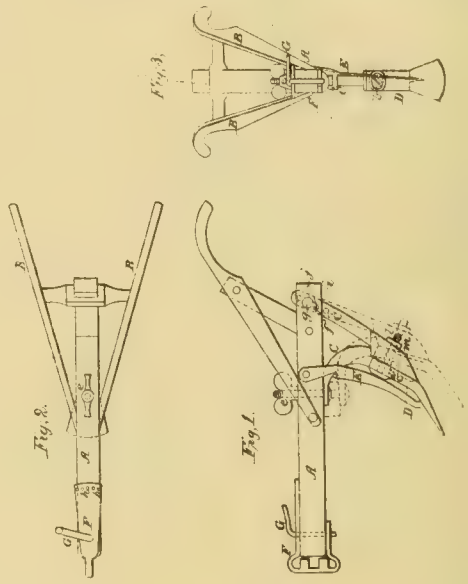
No. 11,616. Patented Aug. 29, 1854.



J. Wanted

Shovel Plow.

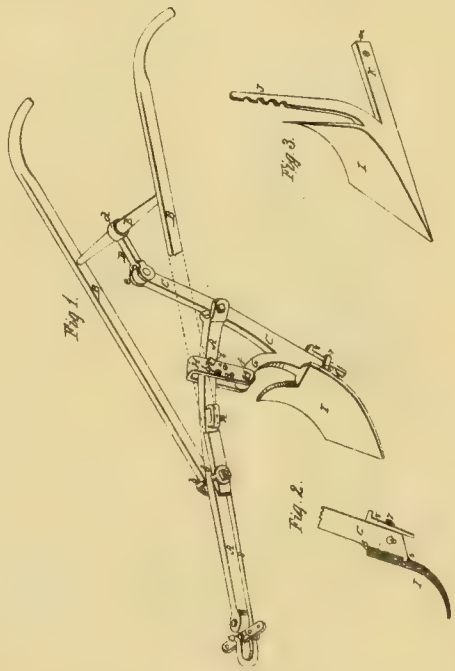
No. 12,650. Patented Apr. 3, 1855.



C. W. Cogger.

Shovel Plow.

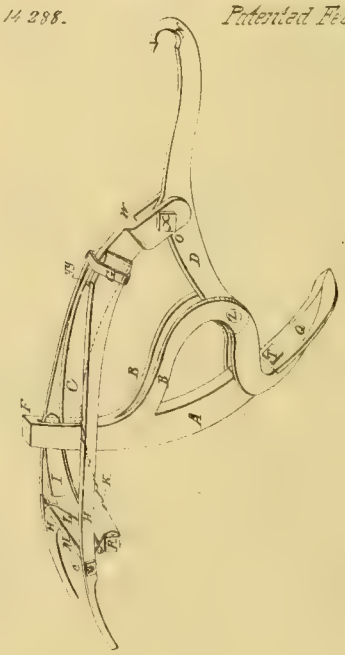
No. 14,013. Patented Jan. 1, 1856.



J. B. Mell,

Shovel Plow,

No. 14,288. Patented Feb. 19, 1856.



Sheet-2 Sheets

A. W. Washburn

Shovel Plow

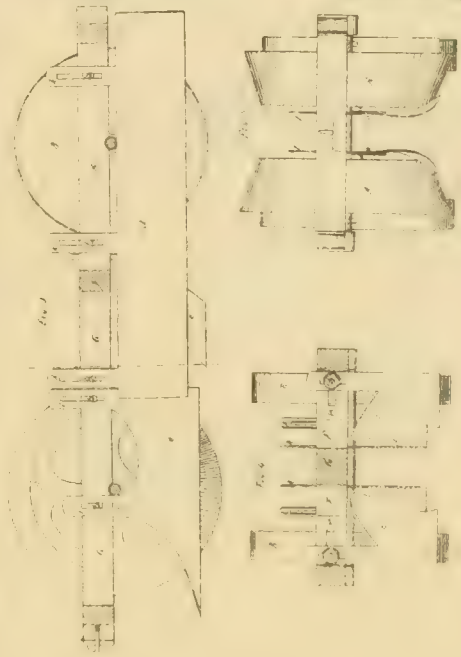
No 14,639. Patented Mar 25 1856

Sheet-2 Sheets

A. W. Washburn

Shovel Plow

No 14,639 Patented Mar 25 1856

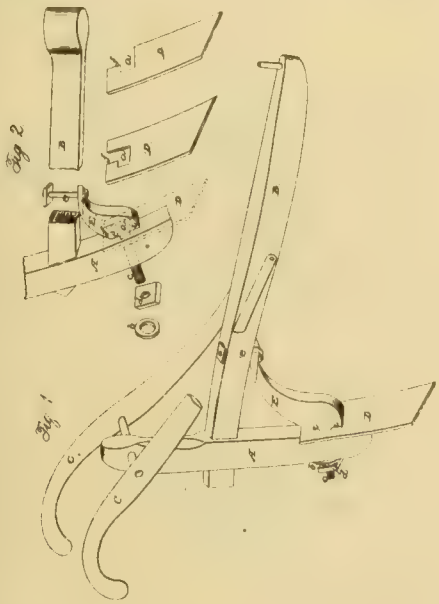


J ADAMS.

Shovel-Plow

No. 16,260

Patented Dec. 23, 1856



T. C. Sawyer

Shovel Plow

No 17,211 Patented May 5 1857

FIG I

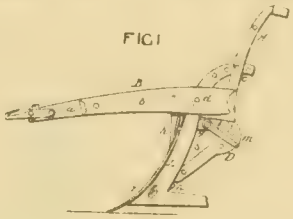


FIG II

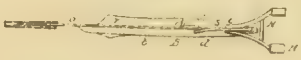
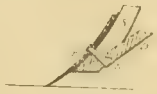


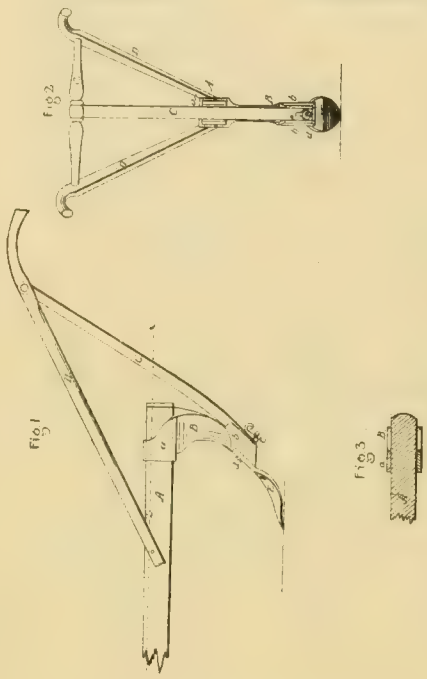
FIG III



J. Gorham.

Shovel Plow.

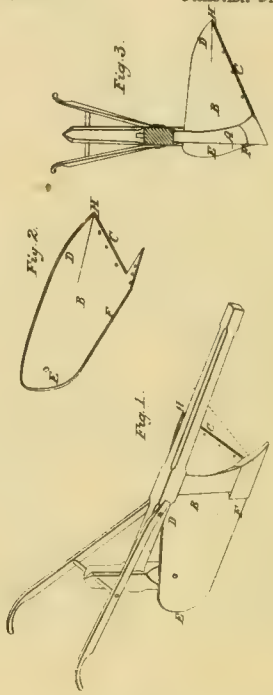
No. 17,212. Patented May 5, 1857.



T. A. Robertson.

Shovel Plow.

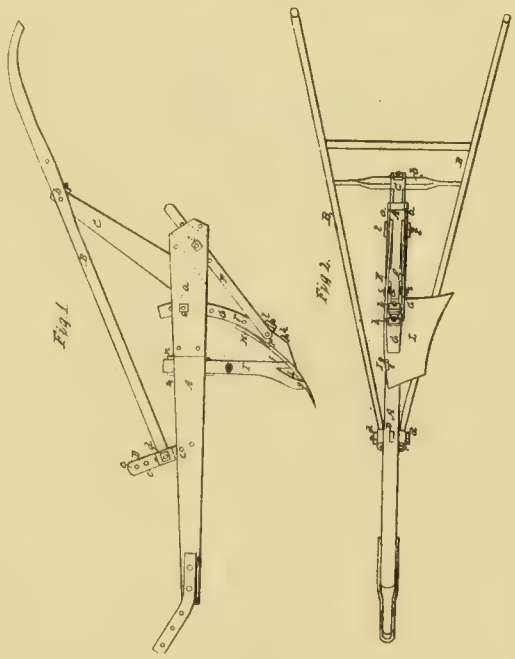
No. 18,520. Patented Oct. 27, 1857.



J. Bank.

Shovel Plow.

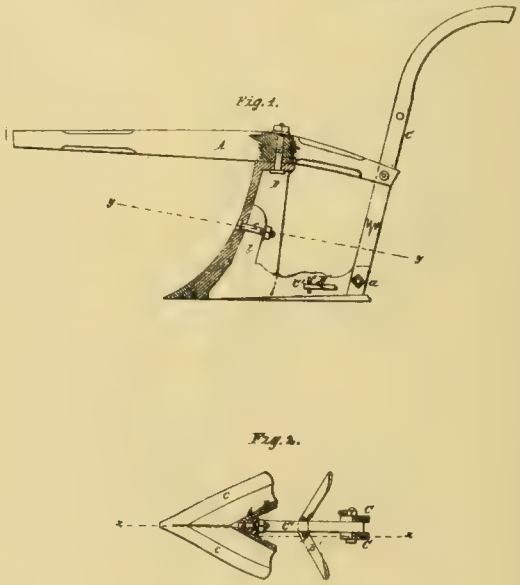
No. 18,726. Patented Dec. 1, 1857.



Brown & McClean.

Shovel Plow.

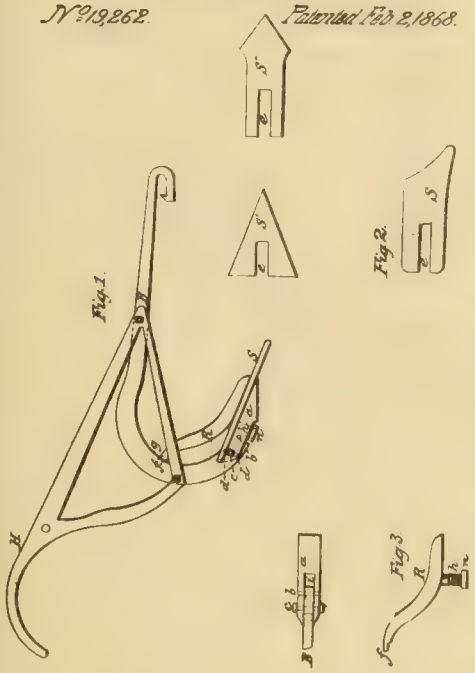
No. 19,125. Patented Jan. 19, 1858.



J. O. Ramage.

Shovel Plow

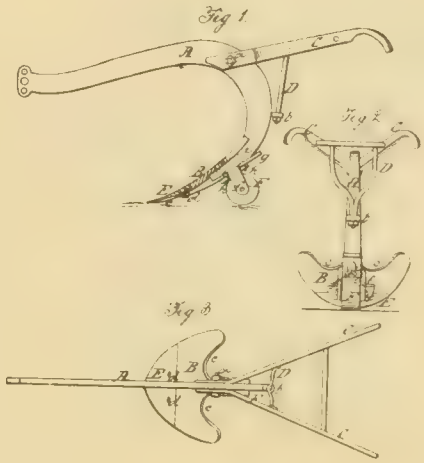
No. 19,262. Patented Feb. 2, 1868.



P. DENNIS

Shovel-Plow

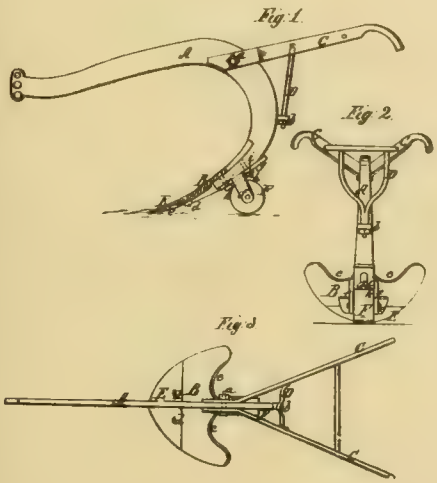
No. 19,412 Patented Feb. 23, 1858



P. Dennis.

Plow.

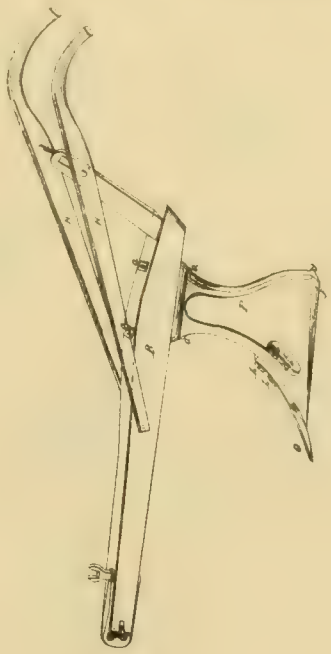
No. 1,515. Reissued Aug. 4, 1863.



T. Mc Donaughy

Plow.

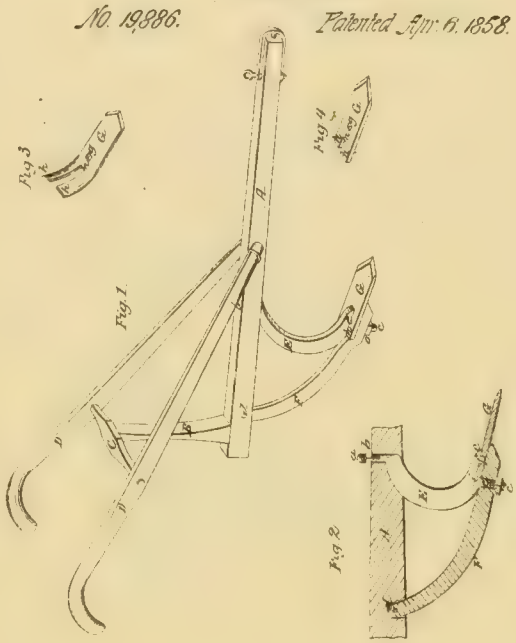
No. [illegible] Patented Mar. 23, 1859



J. C. Williamson.

Shovel Plow.

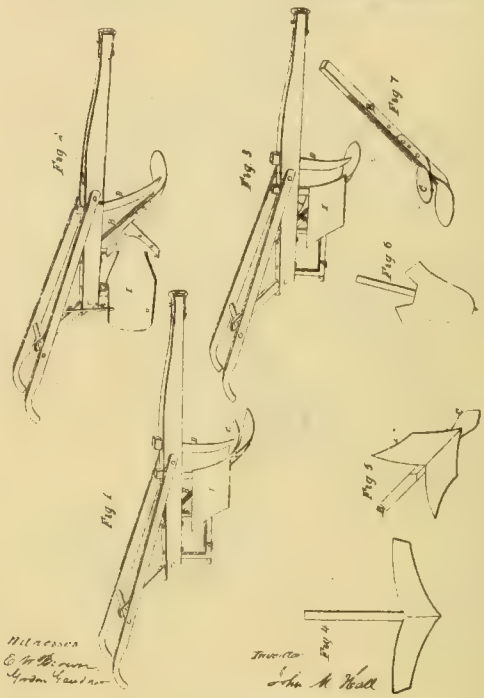
No. 19,886. Patented Apr. 6, 1858.



J. M. Hall.

Plow.

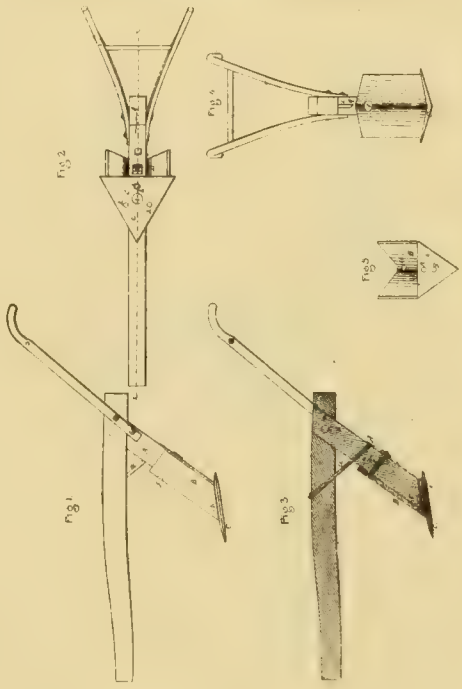
No. 20,269. Patented May 18, 1858.



J. P. Harris.

Shovel Plow.

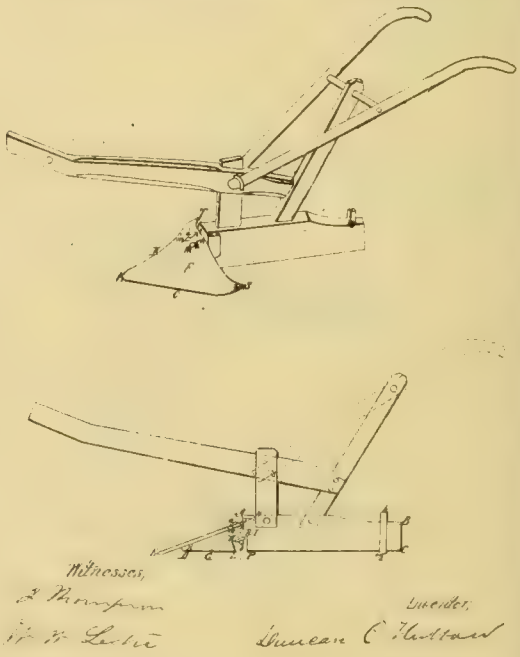
No. 20,790 Patented Jul. 6, 1858.



D. C. Hubbard.

Shovel Plow.

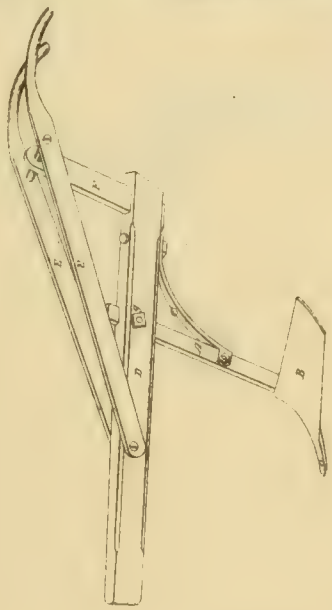
No. 20,798 Patented Jul. 6, 1858.



A. Smith.

Shovel Plow

No. 20,823. Patented Jul. 6, 1858



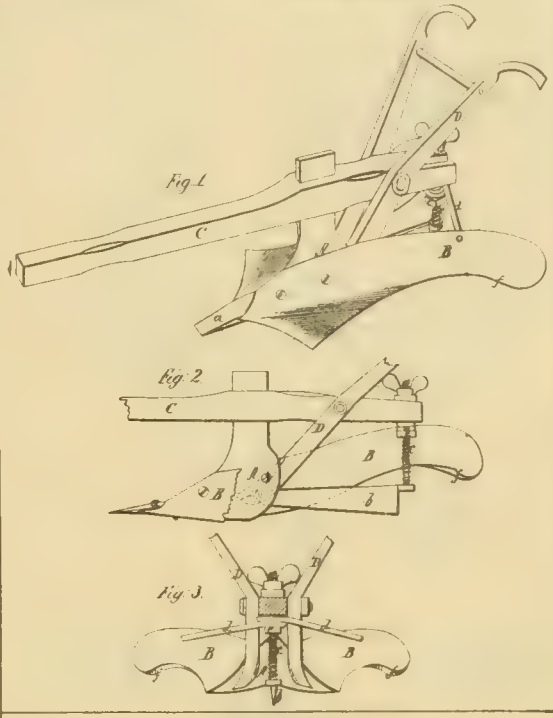
Witnesses
C. B. Forbush
M. Wilson

Inventor
Anthony Smith

J. M. Burke.

Shovel Plow.

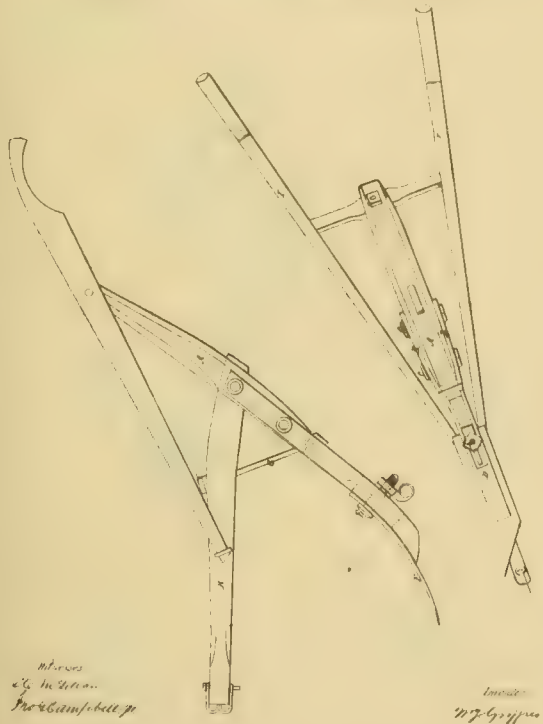
No. 22,013. Patented Nov. 9, 1858.



W. J. Griffes

Plow Stock

No. 23,369 Patented Mar. 29, 1859



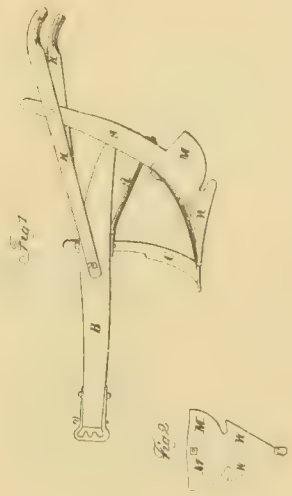
Witnesses
C. G. McMillan
Pro. Campbell Jr.

Inventor
W. J. Griffes

W. H. WILSON.

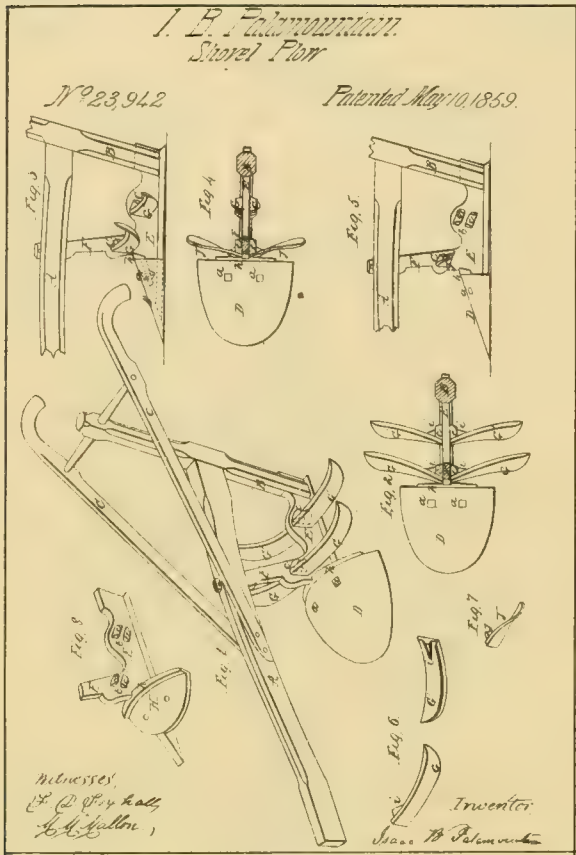
Plow.

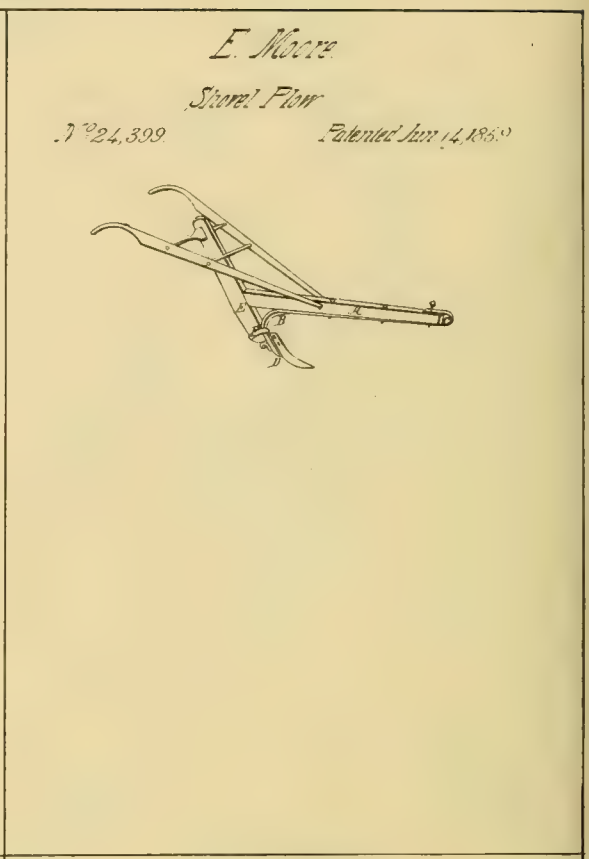
No. 23,636. Patented Apr. 12, 1859.

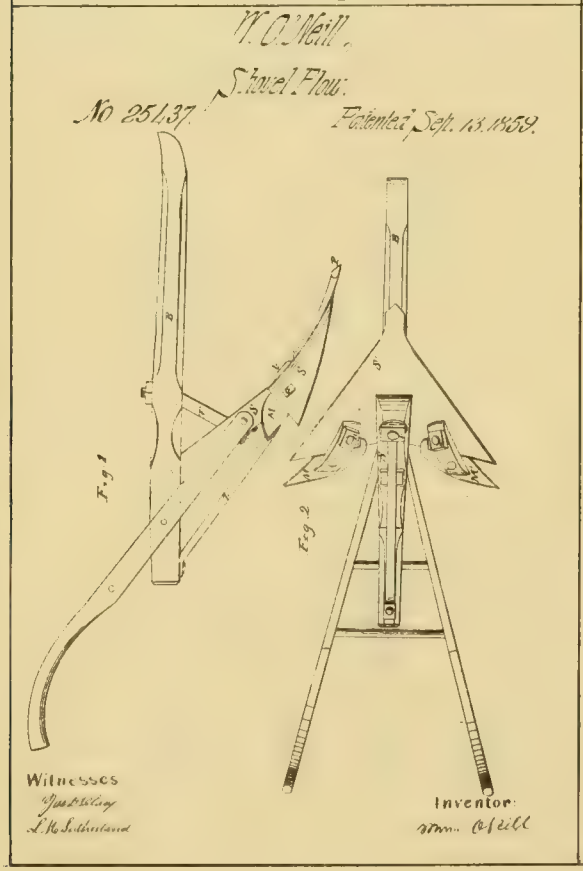


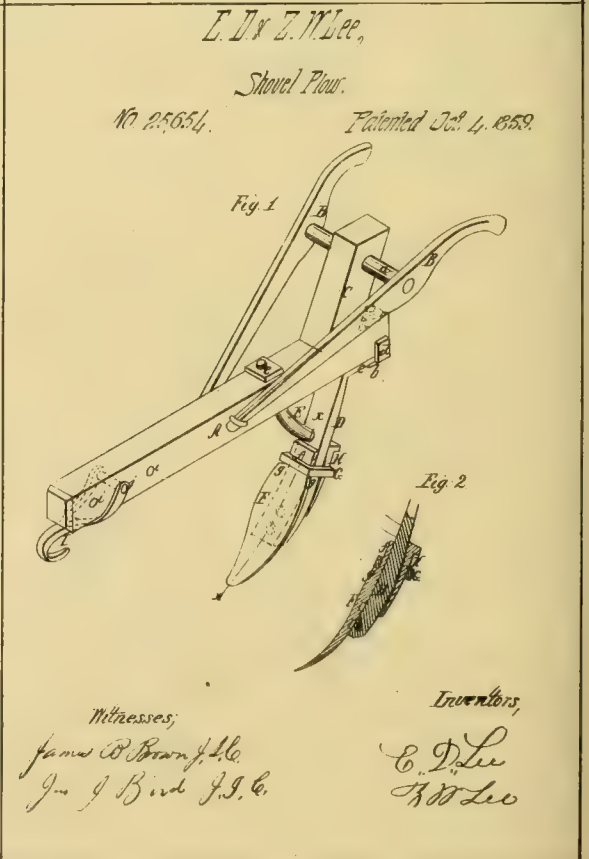
Witnesses
Robert Ballard (Seal)
M. Wilson (Seal)

Inventor
Wm. H. Wilson (Seal)


J. B. Palamountain.
Shovel Plow
No 23,942
Patented May 10, 1859.
Fig. 3
Fig. 4
Fig. 5
Fig. 8
Fig. 1
Fig. 6
Fig. 7
Witnesses.
Inventor.


E. Moore.
Shovel Plow
No 24,399.
Patented Jun 14, 1859.

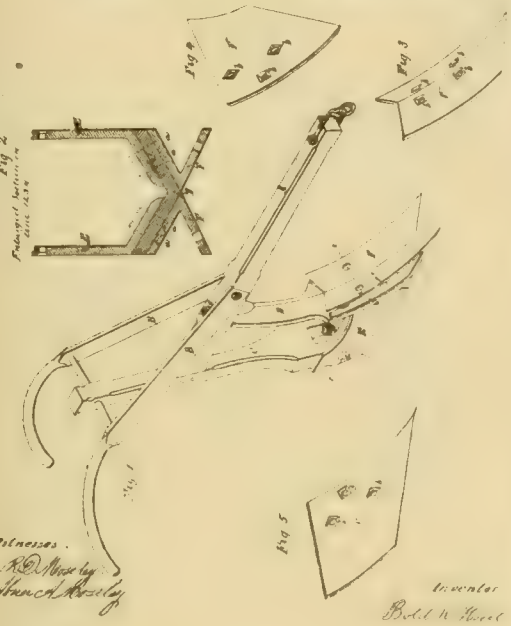

W. O'Neill.
Shovel Plow.
No 25,137.
Patented Sept. 13, 1859.
Fig. 1
Fig. 2
Witnesses
Inventor:


E. D. & Z. W. Lee,
Shovel Plow.
No. 25,654.
Patented Oct. 4. 1859.
Fig. 1
Fig. 2
Witnesses;
Inventors,

E. R. Hood.

Plow

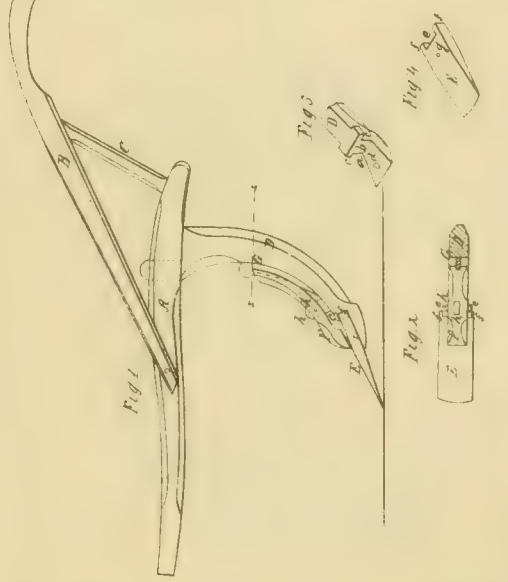
No. 26,738. Patented Oct 11, 1859



S. T. Peck.

Shovel Plow

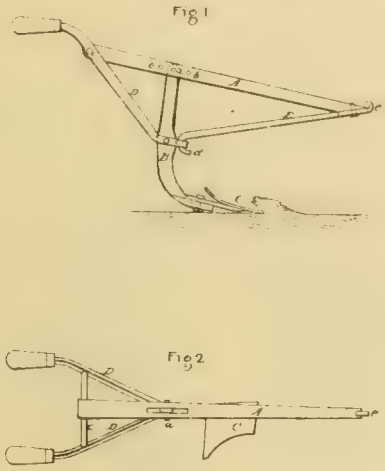
No. 26,289. Patented Nov 29, 1859



J. Corbin.

Shovel Plow

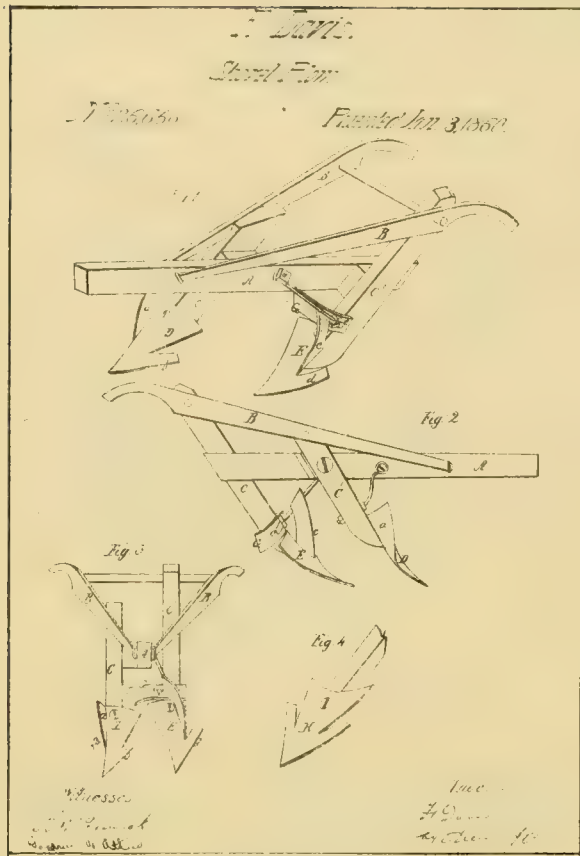
No. 26,349. Patented Dec 6, 1859.

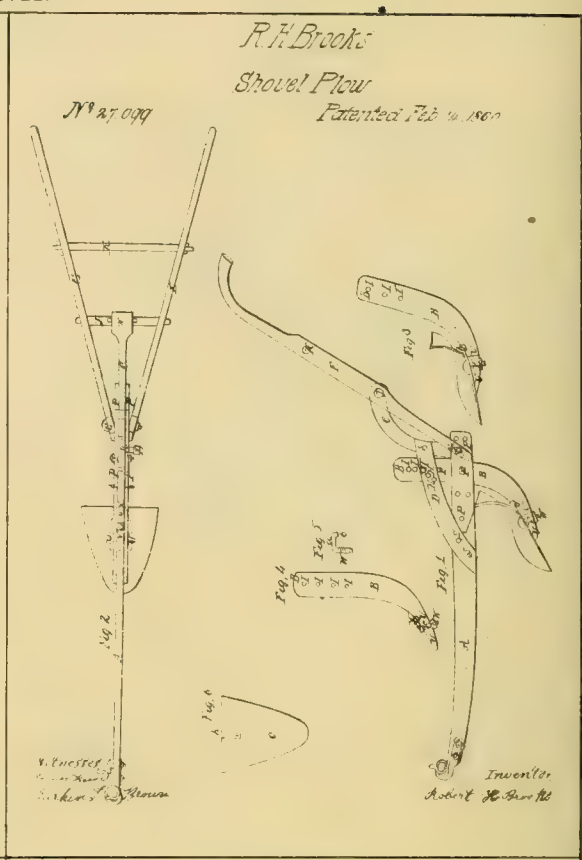


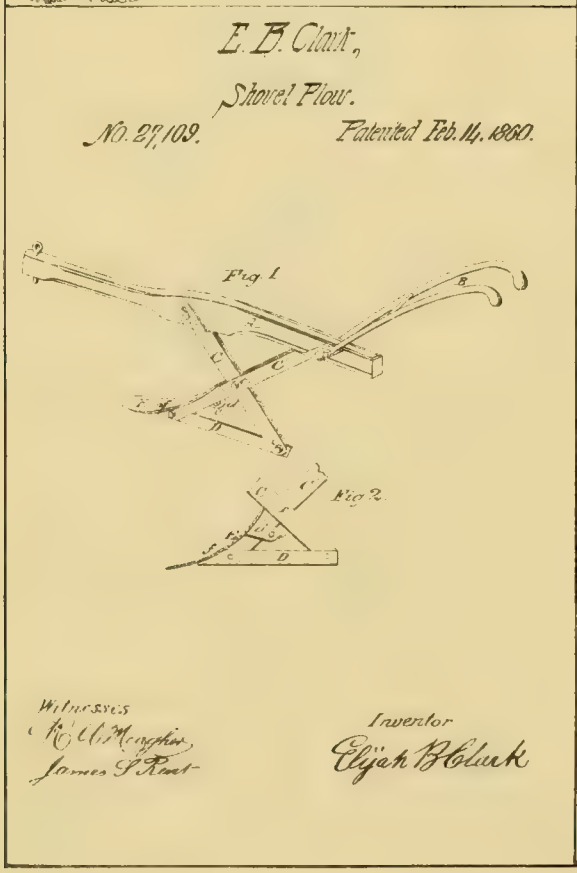
G. W. Raney.

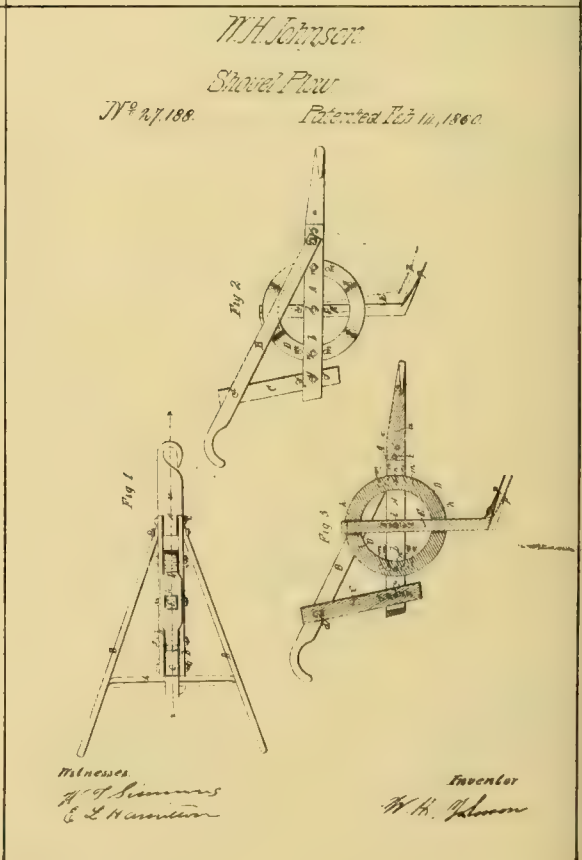
Shovel Plow

No. 26,620. Patented Dec 27, 1859


Shovel Plow
Patented Jan 3, 1860
Fig 2
Fig 3
Fig 4


R. H. Brooks
Shovel Plow
Patented Feb 14, 1860
Fig 1
Fig 2
Fig 3
Fig 4
Fig 5
Fig 6
Inventor

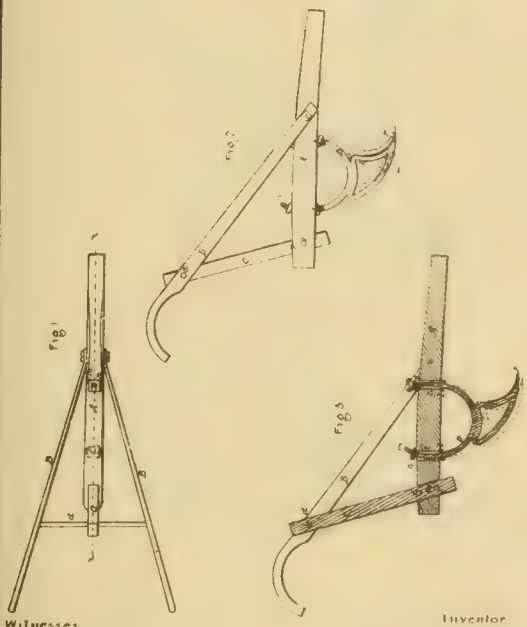

E. B. Clark,
Shovel Plows.
No. 27,109.
Patented Feb. 14, 1860.
Fig. 1
Fig. 2
Witnesses
James S. Reat
Inventor
Elijah B. Clark


W. H. Johnson
Shovel Plow
Patented Feb 14, 1860
Fig 1
Fig 2
Fig 3
Witnesses
Inventor

W. H. Johnson.

Shovel Plow.

No. 299 A. I. Patented Oct. 2, 1860.



Witnesses

Inventor

William H. Johnson

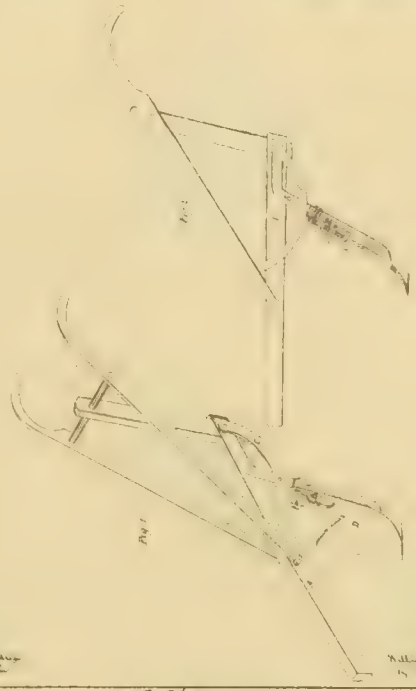
[illegible]

J. S. [illegible]

[illegible]

Shovel Plow.

No. 27,490. Patented [illegible]



Witnesses

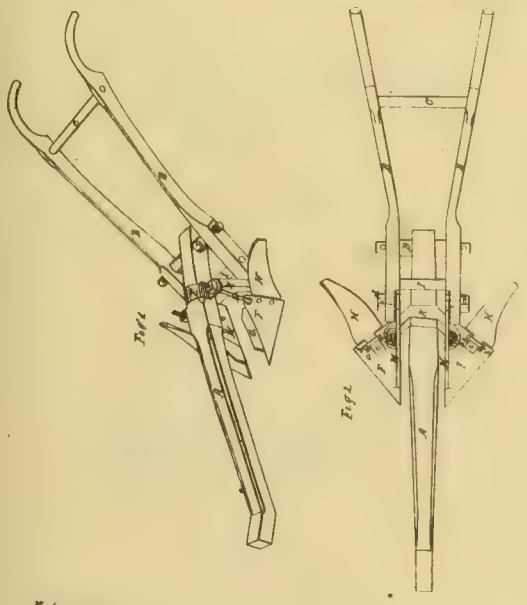
Inventor

William [illegible]

W. R. Saunders

Shovel Plow.

No. 27,651. Patented Mar. 27, 1860.



Witnesses

Reuben Davis

T. W. W. Pullman

Inventor

William R. Saunders

M. C. McCullers,

Shovel Plow.

No. 28,000. Patented Apr. 24, 1860.

Witnesses

E. Carter

J. Hirsel

Inventor

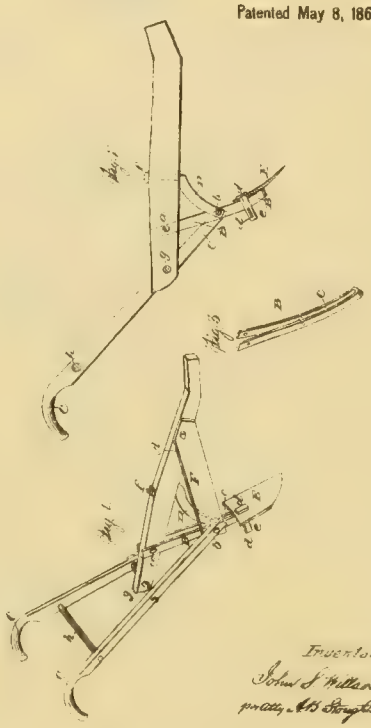
Matthew C. McCullers

pr. by H. B. Slaughter

J. S. WILLSON.

Shovel Plow.

No. 28,227. Patented May 8, 1860.



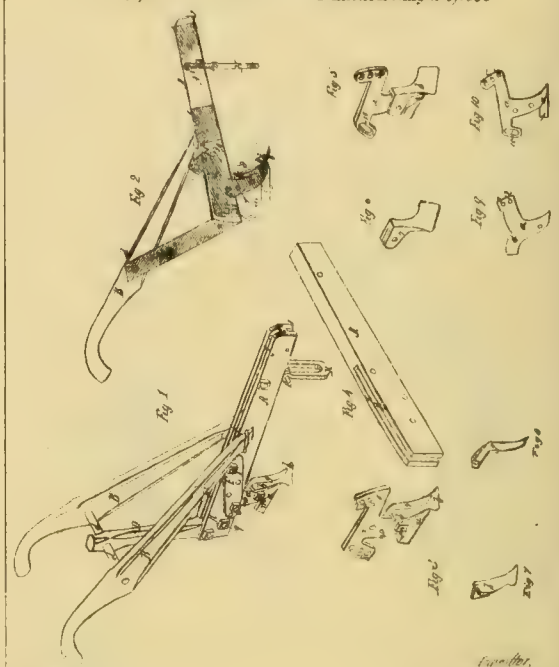
Witnesses
E. Cohen
J. Hirsch

Inventor
John S. Willson
per atty, M. B. Stoughton

J. S. Huggins

Shovel Plow.

No. 28,372 Patented May 22, 1860



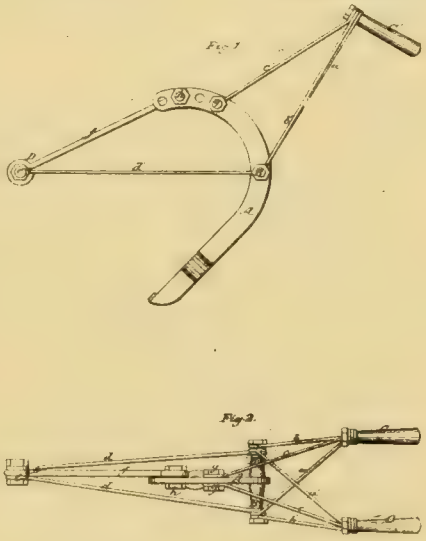
Witnesses
W. C. Robertson
Jno. B. Linton

Inventor,
J. S. Huggins
By his Attorney
John W. Oates

Rhodes & Skaggs.

Shovel Plow.

No. 28,408. Patented May 22, 1860.



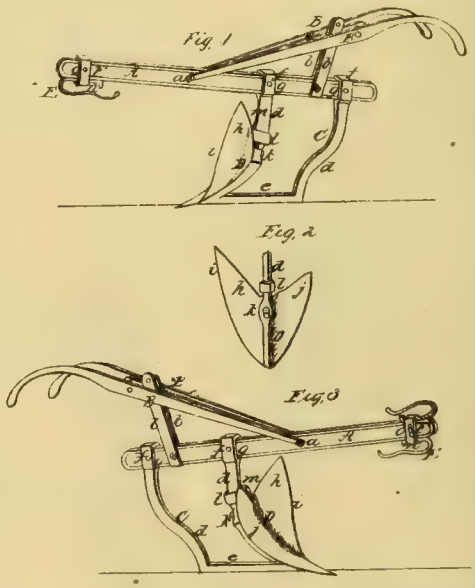
Witnesses
F. W. Crombe,
R. S. Spencer

Inventors
M. G. Rhodes
F. M. Skaggs
per Munn & Co.
Attorneys

C. J. Shiver.

Shovel Plow.

No. 28,416. Patented May 22, 1860.



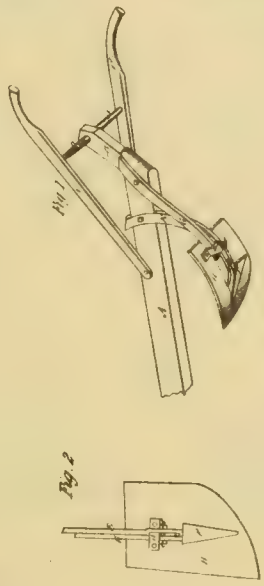
Witnesses
R. S. Spencer
F. W. Crombe

Inventor,
C. J. Shiver
per Munn & Co.
Attorneys

C. F. Richter.

Shovel Plow.

No. 28605. Patented June 5. 1860.



Witnesses
T. Cohen
J. Hirsch

C. F. Richter
by his
Atty Sorgten

J. T. Thompson

Shovel Plow.

No. 28,919. Patented June 26, 1860.

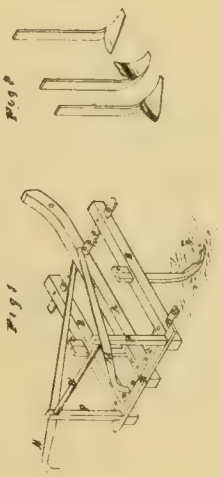
Witnesses
T. Cohen
J. Hirsch

Inventor
J. T. Thompson
by his Atty

J. M. Williams,

Cultivator

No. 28,929. Patented June 26. 1860.



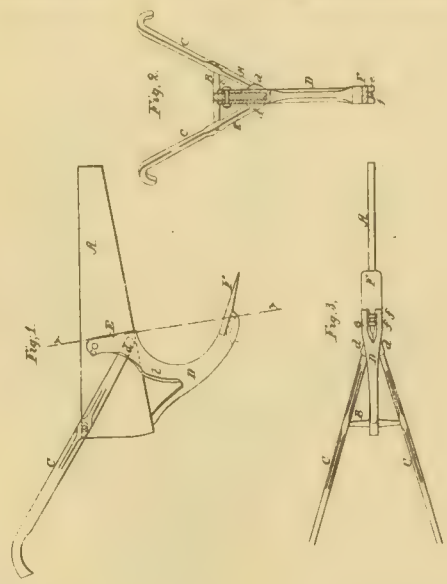
Inventor
John M. Williams

Witnesses
Wm. M. Lemmon
Jas. M. Williams Jr.

R. S. Williams

Shovel Plow

No. 28,930. Patented June 26, 1860.



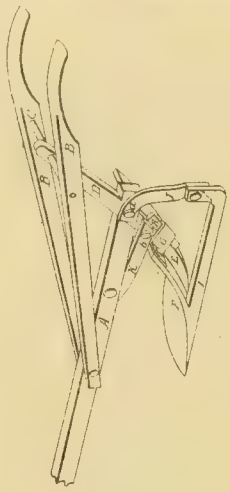
Witnesses.
H. Crombie
R. D. Spencer

Inventor.
R. S. Williams
per M. & G.
Attorneys

W. Griffin.

Shovel Plow.

No. 28,981. Patented Jul. 3, 1860.



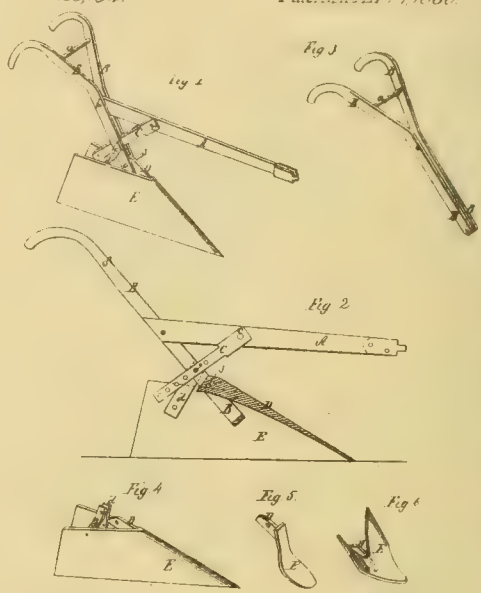
Witnesses
E. Colin
J. Horsch

Inventor:
William Griffin
by atty
A. B. Stoughton

M. C. McCullers.

Shovel Plow.

No. 29,184. Patented Jul. 7, 1860.



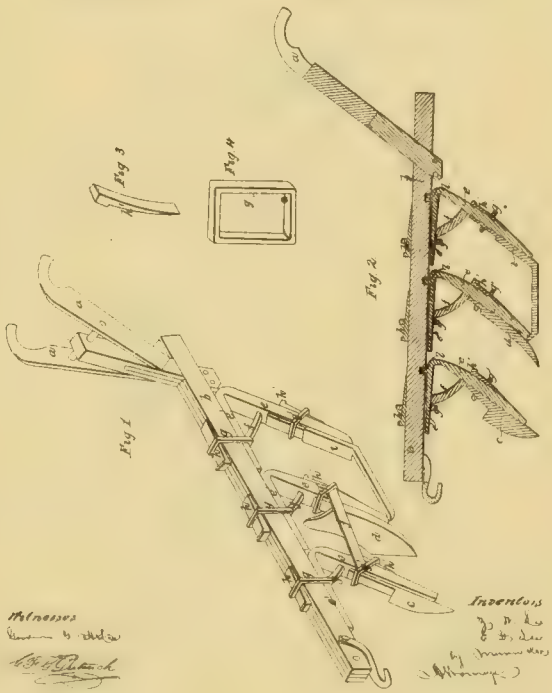
Witnesses,
E. Colin
J. Horsch

Inventor,
Matthew C. McCullers
by atty, A. B. Stoughton,

E. W. & E. D. Lee.

Cultivator.

No. 29,389. Patented Jul. 31, 1860.



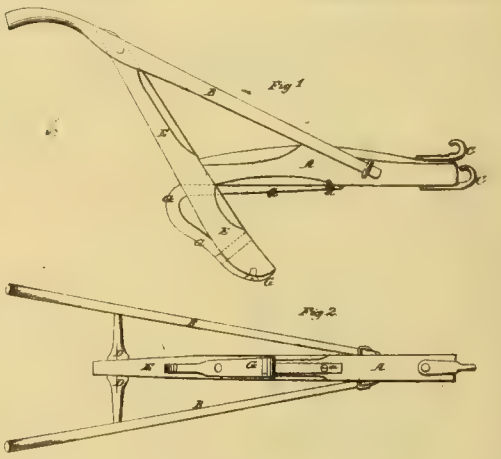
Witnesses
[illegible]

Inventors
E. D. Lee
E. W. Lee
by [illegible]
[illegible]

J. P. Bond.

Shovel Plow.

No. 29,564. Patented Aug. 14, 1860.



Witnesses
F. W. Coombs
R. S. Spencer

Inventor
J. R. Bond
per Munn & Co
Attys

W. E. Wormell.

Shovel Plow.

No. 29,841. Patented Aug. 28, 1860.

Fig. 1.

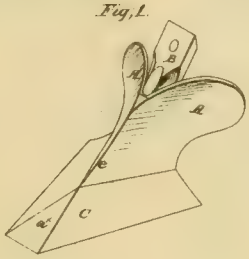


Fig. 3.

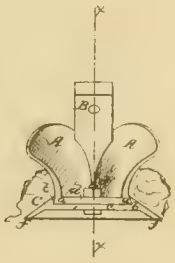
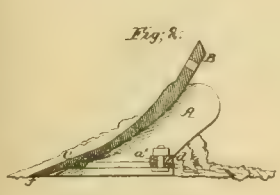


Fig. 2.



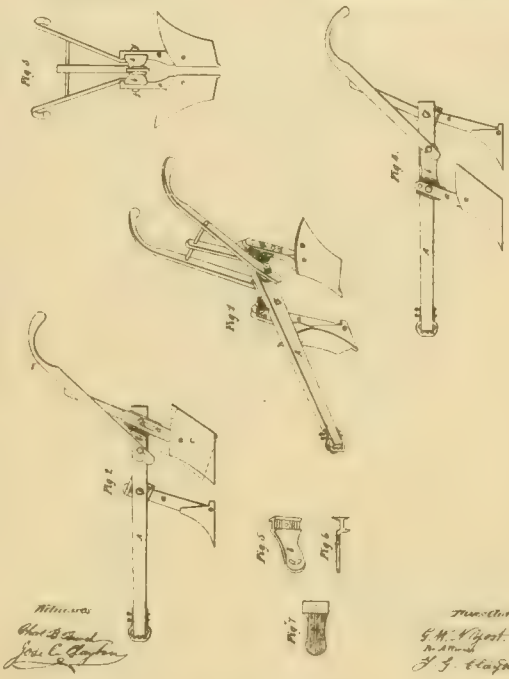
Witnesses,
Mich. Hughes
C. W. Hughes

Inventor,
W. E. Wormell

G. W. N. Yost.

Shovel Plow.

No. 29,934. Patented Sept. 4, 1860.



Witnesses:
Chas. B. Sand
Jos. C. Clayton

Inventor
G. W. N. Yost.
By Munn & Co.
J. J. Clayton

W. T. Zollickoffer.

Shovel Plow.

No. 30,111 Patented Sept. 25, 1860.

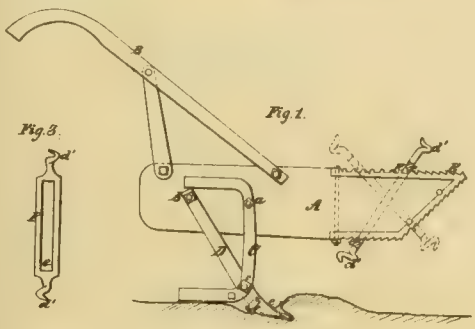


Fig. 3.

Fig. 1.

Fig. 2

Witnesses
J. W. Crowder.
R. S. Spencer.

Inventor
W. T. Zollickoffer
By Munn & Co
Attorneys

J. W. L. Rivers.

Shovel Plow.

No. 30,762. Patented Nov. 27, 1860.

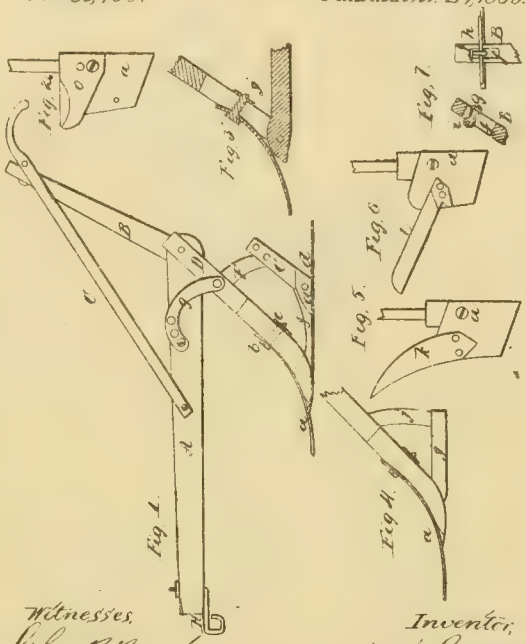
Witnesses.
B. H. Strother
H. N. Stall

Inventor
J. W. L. Rivers
By W. & W. Thornton

N. Rodgers.

Shovel Plow.

No. 30,765. Patented Nov. 27, 1860.



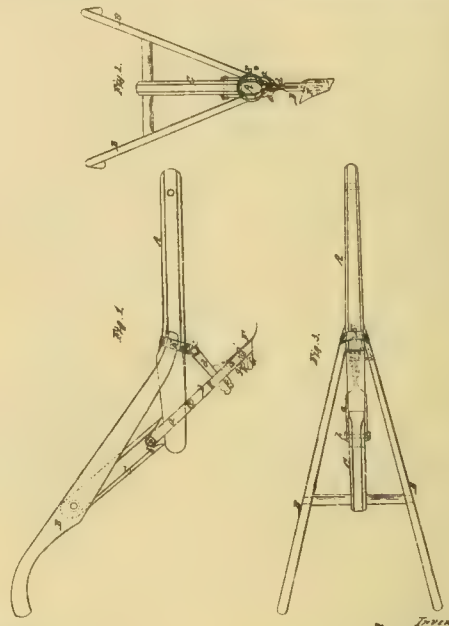
Witnesses.
Chas. B. Burch.
Jas. C. Clayton

Inventor,
per Noah Rodgers
J. G. Clayton
Atty.

E. Bass.

Shovel Plow.

No. 30,793. Patented Dec. 4, 1860.



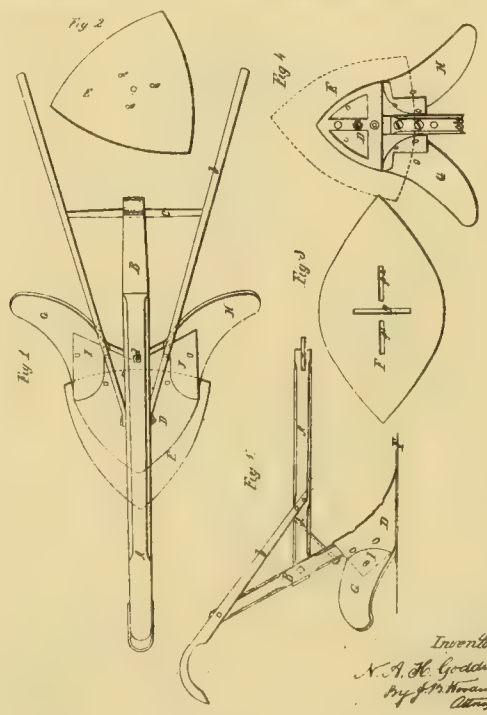
Witnesses
Jno. Bryant
A. Schroeder

Inventor
Everett Bass
per Munn & Co.
Attorneys

N. A. H. Goddin.

Convertible Plow and Cotton Cultivator.

No. 30,810 Patented Dec. 4, 1860.

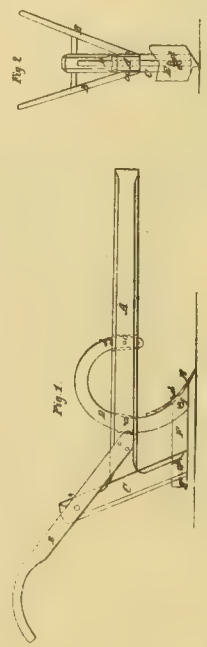


Inventor,
N. A. H. Goddin
By J. H. Hewitt
Attorney

S. Whitley

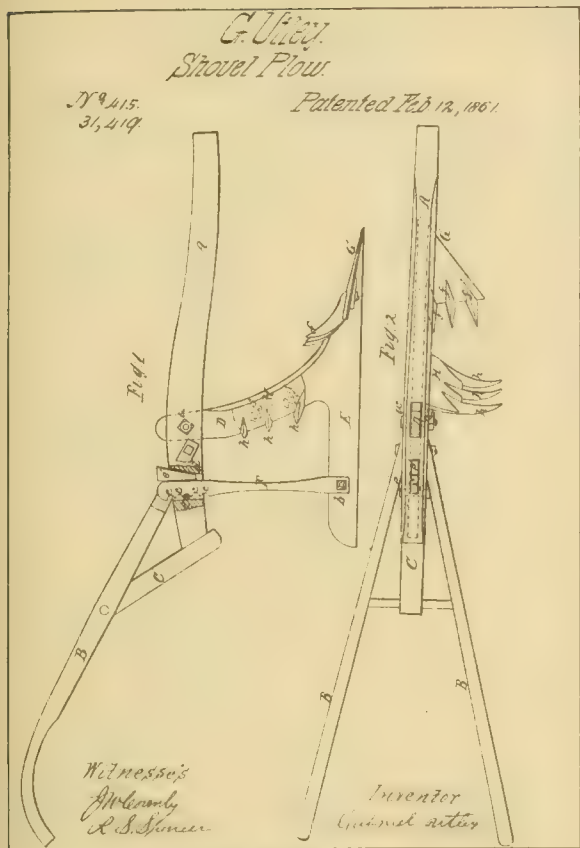
Shovel Plow

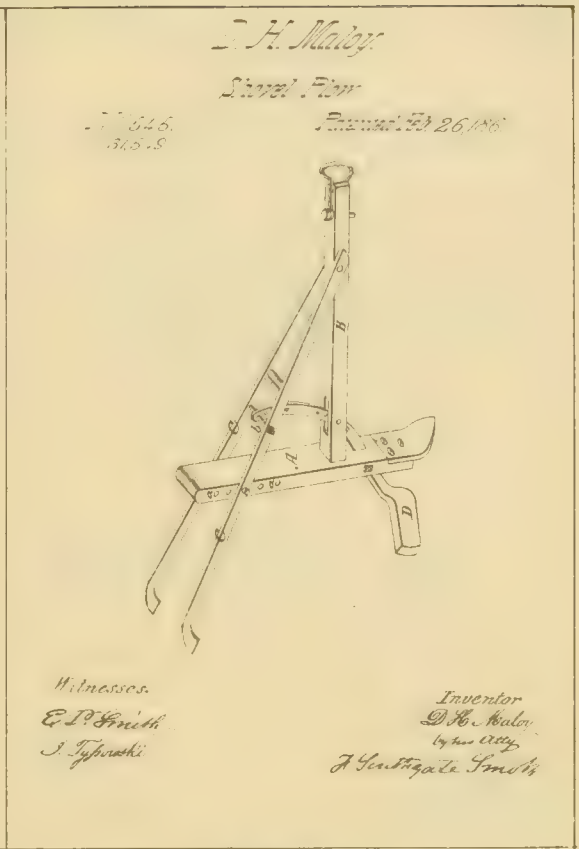
No. 30,849. Patented Dec. 4, 1860

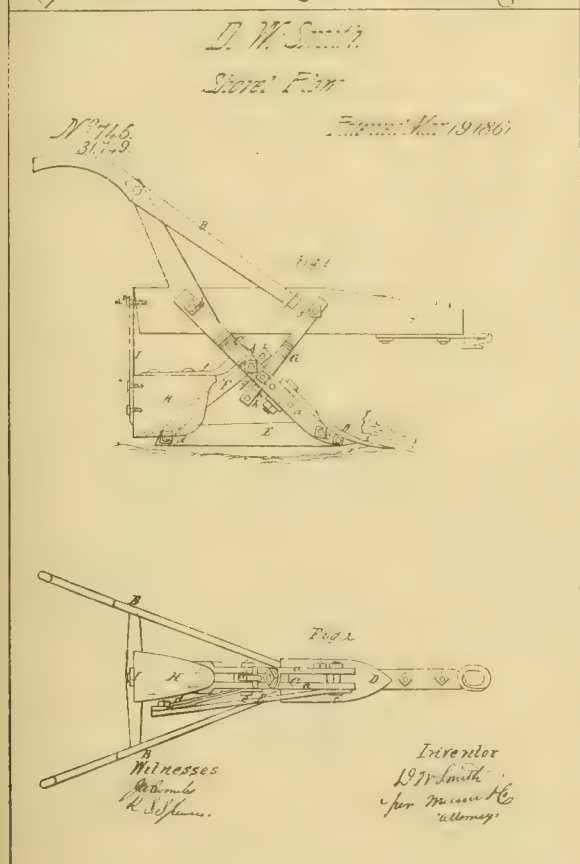


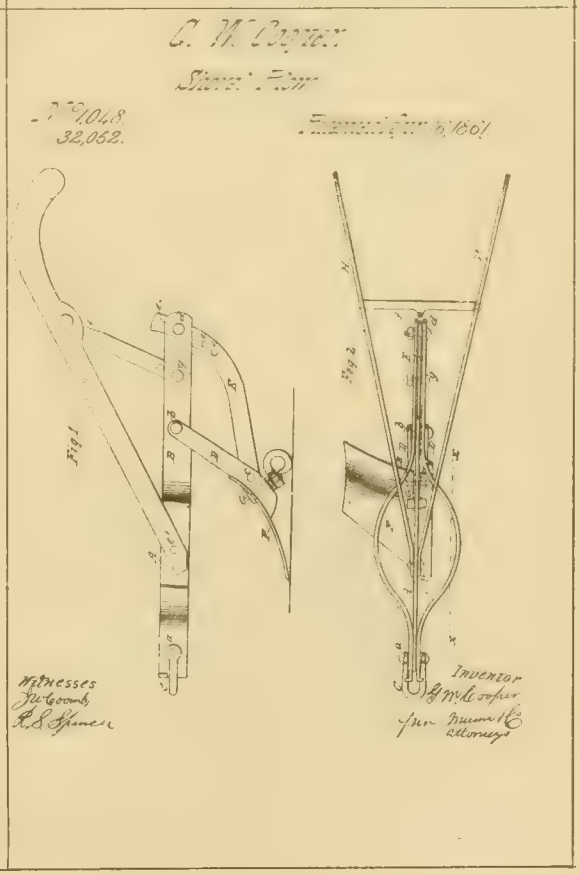
Witnesses
Jno. Coombs
A. Schroeder

Inventor
Samuel Whitley
By
Munn & Co.


G. Utley.
Shovel Plow.
No. 31,419.
Patented Feb 12, 1861.
Fig. 1
Fig. 2
Witnesses
Inventor


D. H. Maloy.
Shovel Plow
Witnesses.
Inventor

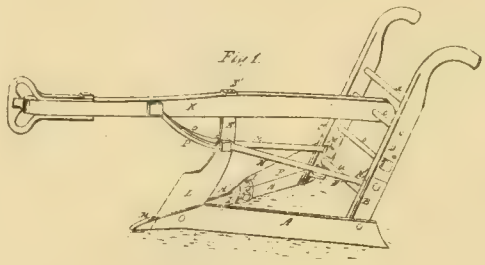

D. W. Smith.
Shovel Plow
Fig. 1
Fig. 2
Witnesses
Inventor

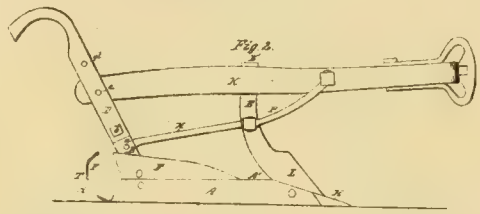

C. W. Cooper.
Shovel Plow
Fig. 1
Fig. 2
Witnesses
Inventor

I. Cooper.

Shovel Plow.

No. 1, 2 & 3 32,476 Patented May 14, 1861.





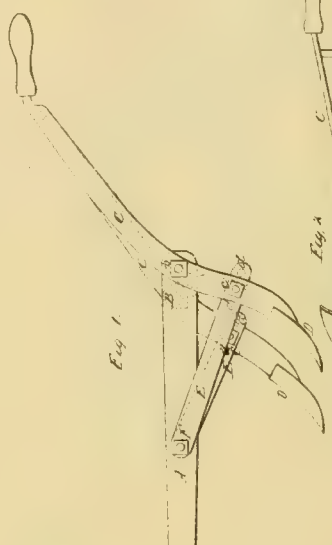
Witnesses
W. H. Burridge
Robert Brayton

Inventor
Jno Cooper

O'Bryan & Keys

Shovel Plow

No. 2 & 3 33,090 Patented Sept 20, 1861.



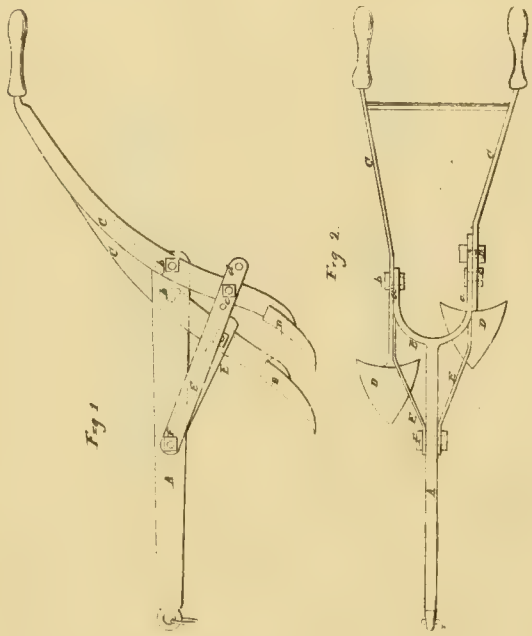
Witnesses.
J. W. Crowell
A. Tusch

Inventor.
Chas O'Bryan
Henry Keys
by Munn & Co

O'Bryan & Keys,

Shovel Plow.

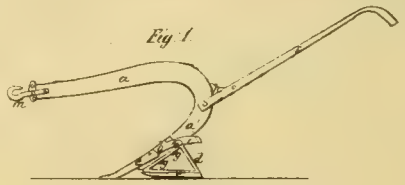
No. 3077. Reissued Aug. 11, 1868.

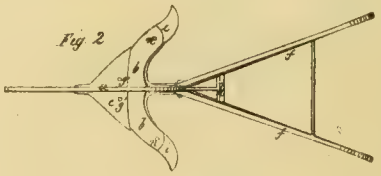


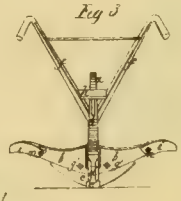
Mosher & Eddy.

Shovel Plow.

No. 38,056. Patented Mar. 31, 1863.

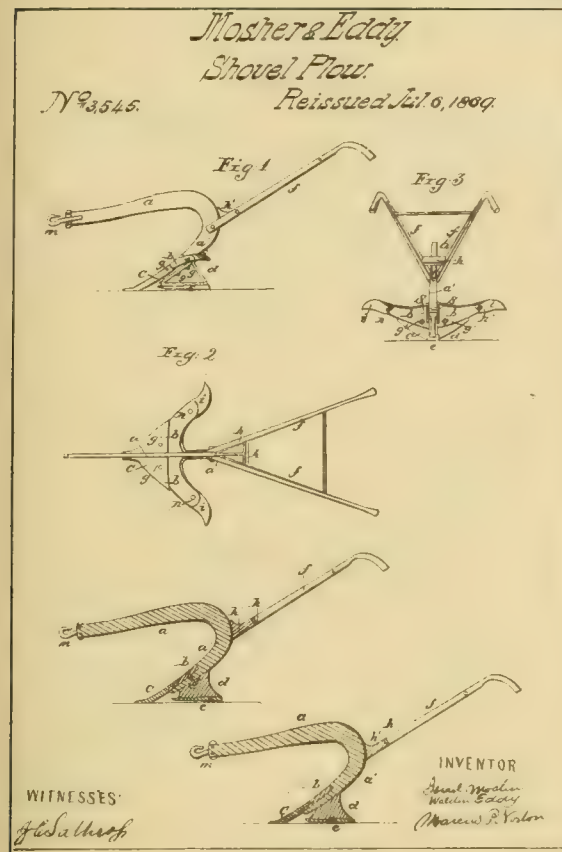


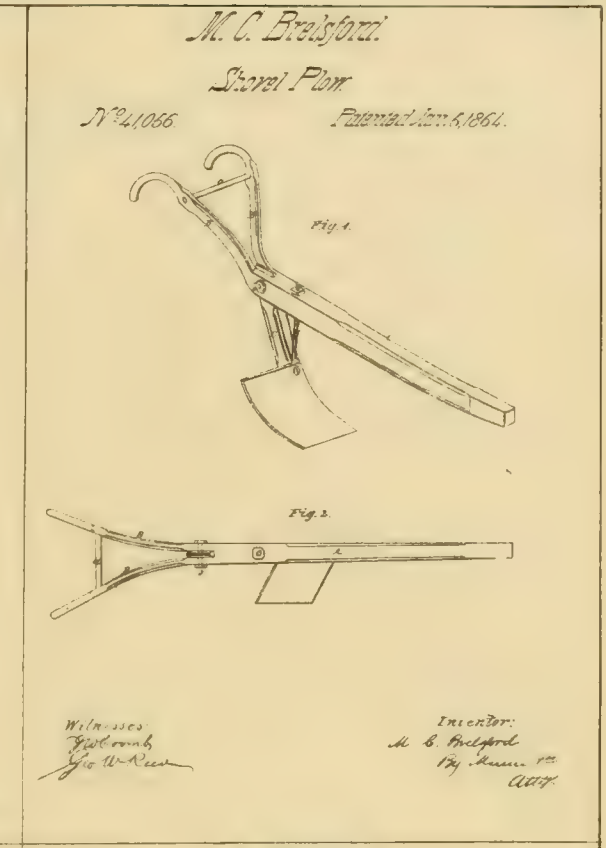


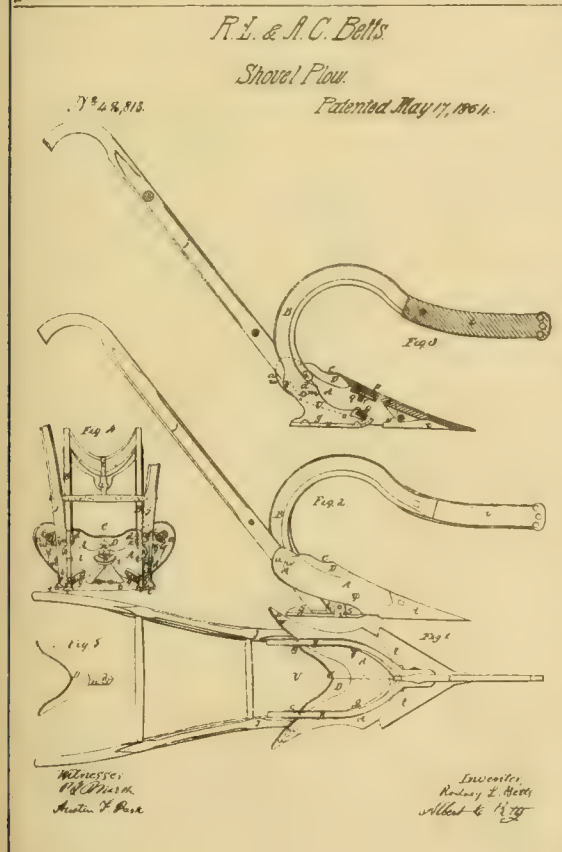


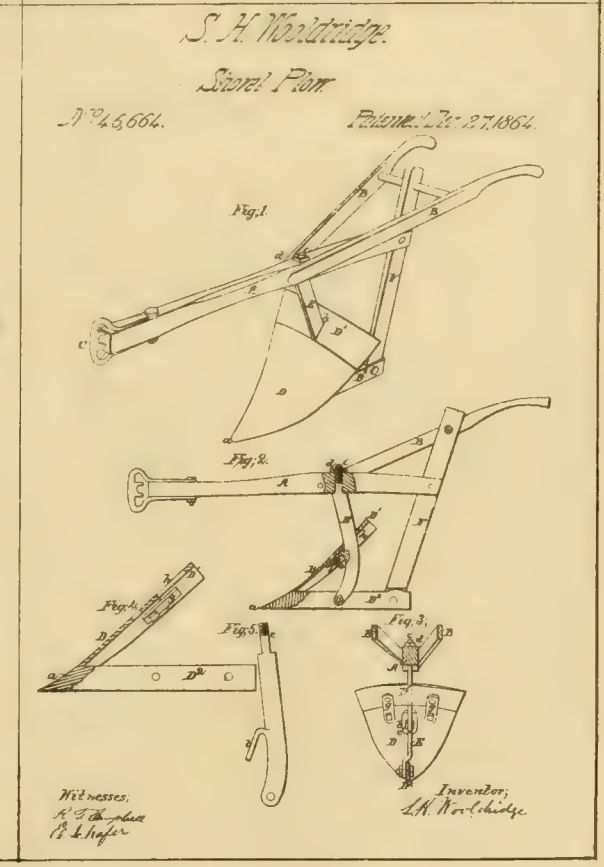
Witnesses
C. R. Ingalls
Maurice P. Norton

Inventor;
Jesse C. Mosher
Walter Eddy


Mosher & Eddy
Shovel Plow.
No. 3,545.
Reissued Jul. 6, 1869.
Fig. 1
Fig. 3
Fig. 2
WITNESSES:
INVENTOR


M. C. Bradford.
Shovel Plow.
No. 41,056.
Patented Jan. 5, 1864.
Fig. 1.
Fig. 2.
Witnesses:
Inventor:

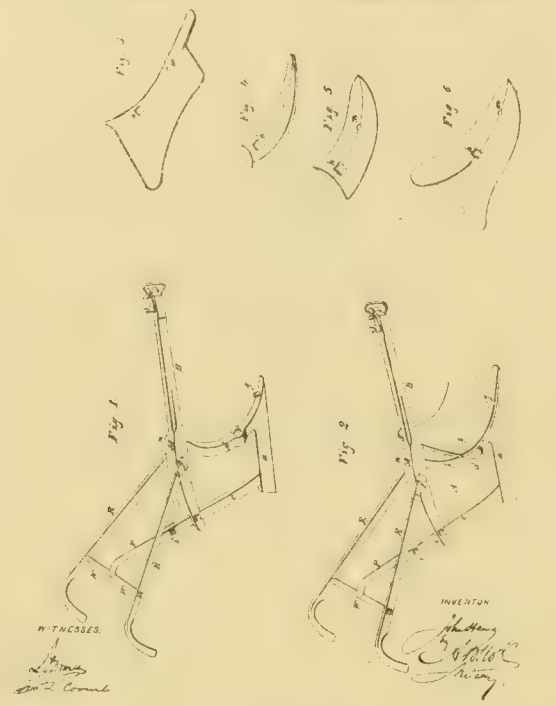

R. L. & A. C. Betts.
Shovel Plow.
No. 42,813.
Patented May 17, 1864.
Fig. 3
Fig. 4
Fig. 2
Fig. 1
Witnesses:
Inventor:


S. H. Wooldridge.
Shovel Plow.
No. 45,664.
Patented Dec. 27, 1864.
Fig. 1.
Fig. 2.
Fig. 4.
Fig. 5.
Fig. 3.
Witnesses:
Inventor:

J. Haigh.

Plow.

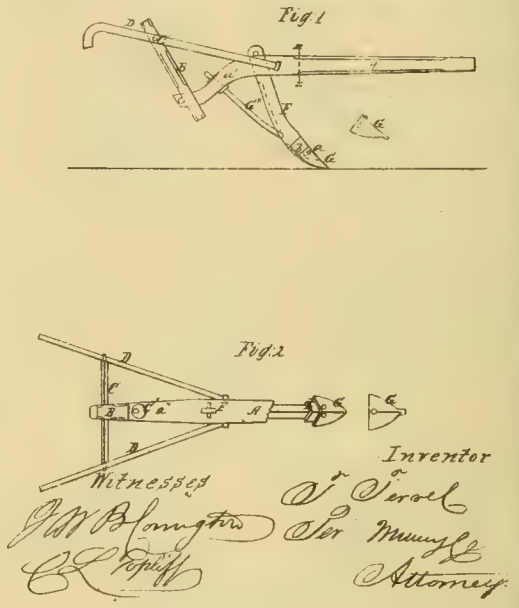
No. 45995. Patented Jan. 24. 1865.



T. Terrell.

Shovel Plow.

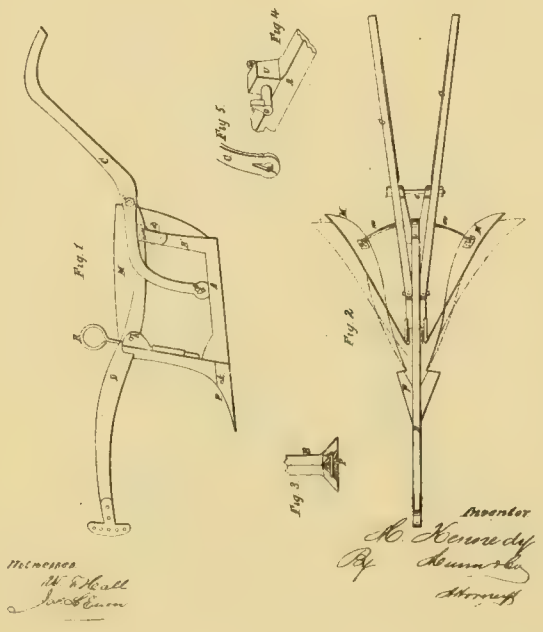
No. 54,623. Patented May 8, 1866.



M. Kennedy.

Plow.

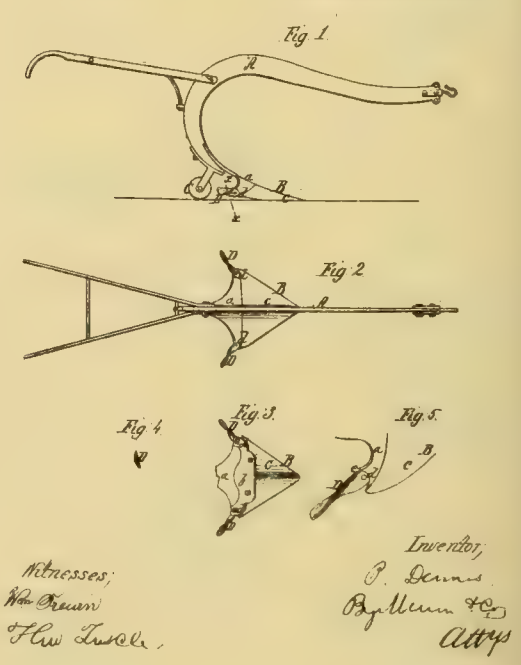
No. 55,318. Patented Jun. 5, 1866.



P. Dennis.

Shovel Plow.

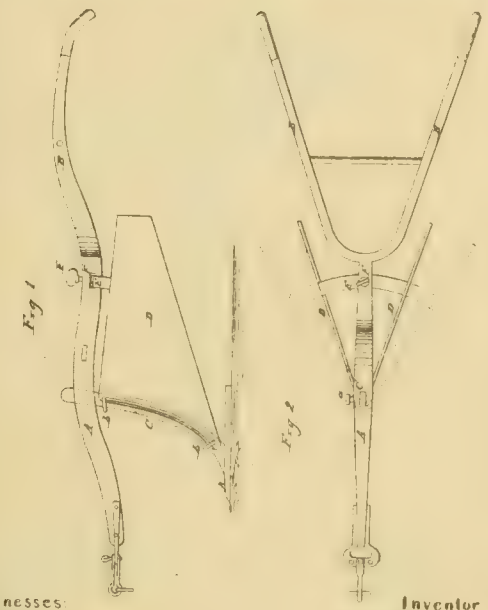
No. 56,630. Patented Jun. 19, 1866.



S. Perry.

Shovel Plow.

No. 56327. Patented July 10. 1866.



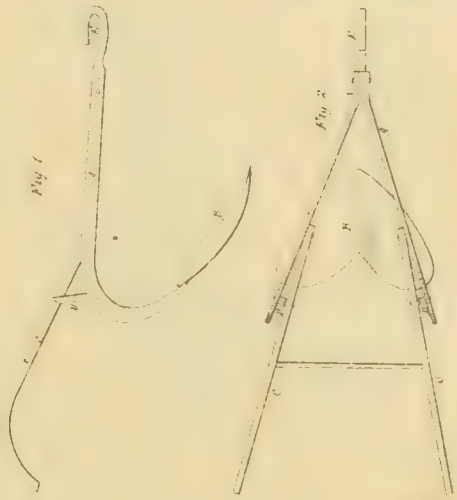
Witnesses:
W. Brown
Thos. Wilde

Inventor
Saml Perry
By Munn & Co

W. H. Luce.

Shovel Plow

No 58,112. Patented Sept 18 1866



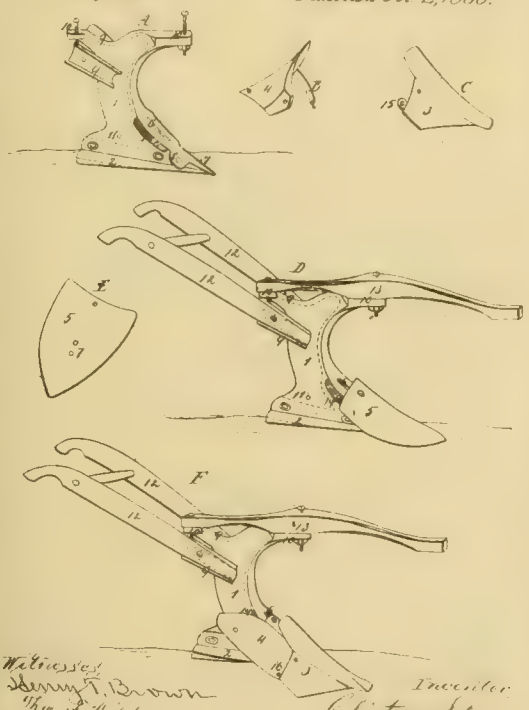
Witnesses
D. A. Jackson
W. Treuro

Inventor
W. H. Luce
By Munn & Co
Attorneys

C. Stern.

Shovel Plow

No 58,500. Patented Oct 2, 1866.



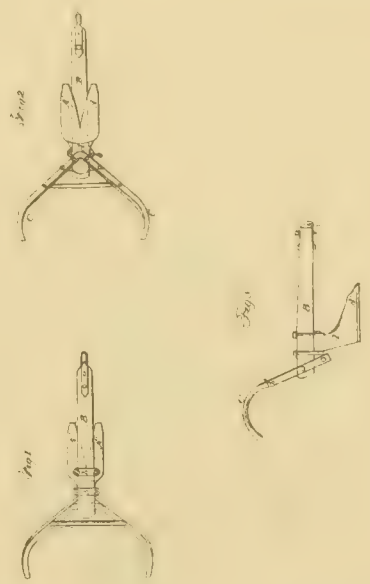
Witnesses:
Henry T. Brown
Thos. T. Wilde

Inventor
Christian Stern

B. GOODRICH

Plow

No 60,716. Patented Jan. 1, 1867



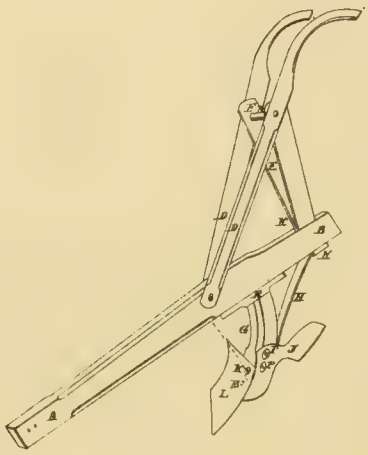
Witnesses
Geo. R. Andrews
Samuel Piper

Inventor
Benj. Goodrich
by Munn & Co
Attys

F. F. REYNOLDS.

Shovel Plow.

No. 60,938. Patented Jan. 1, 1867.



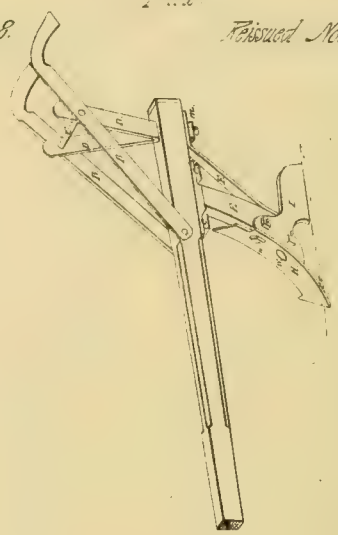
Witnesses.
N. Moore
C. C. Wilson

Inventor.
F. F. Reynolds
By W. W. Boyce
Atty

F. F. Reynolds,

Plow.

No. 3708. Reissued Nov 2. 1869.



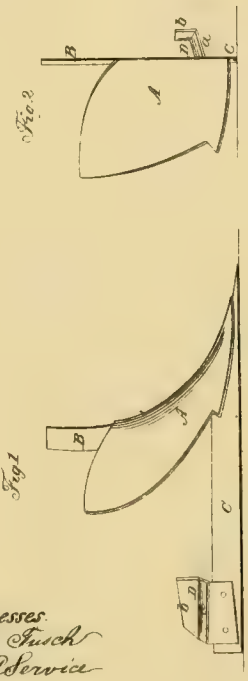
Witnesses:
E. A. Pettit
A. M. Palmer

Inventors:
Reynolds and Gilmer
by Munn & Co
attorneys

T. SAUNDERS.

Shovel Plow.

No. 62,228. Patented Feb. 19, 1867.



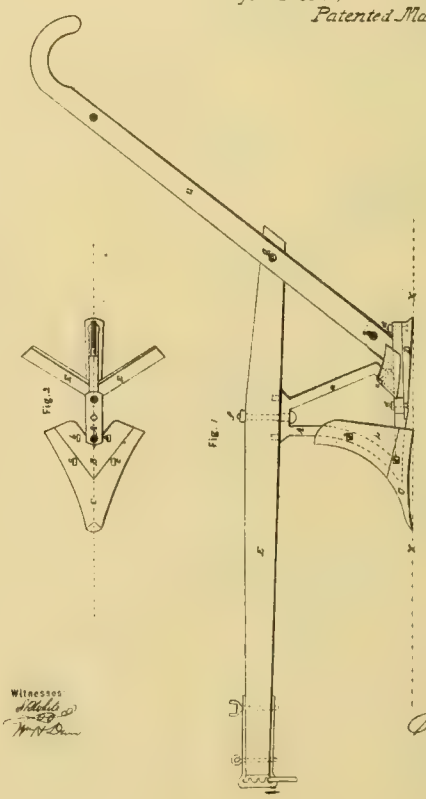
Witnesses.
Theo Tusch
J. A. Service

Inventor.
Turner Saunders
Per Munn & Co
Attorneys

S. March,

Imp^d Plow.

No. 63,276, Patented Mar. 26, 1867.



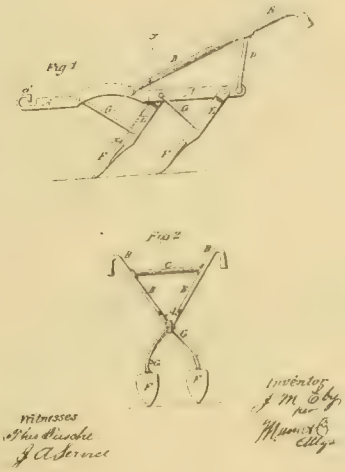
Witnesses
W. W. Dean

Inventor:
S. March

J. M. EBY

Shovel Plow.

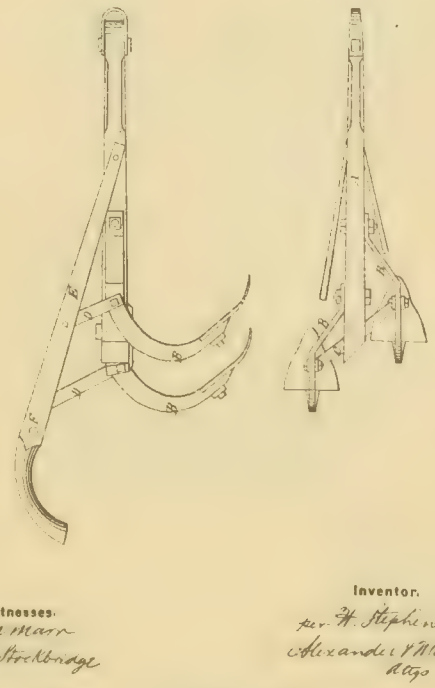
No. 63,711. Patented Apr. 9, 1867.



H. STEPHENS.

Shovel Plow.

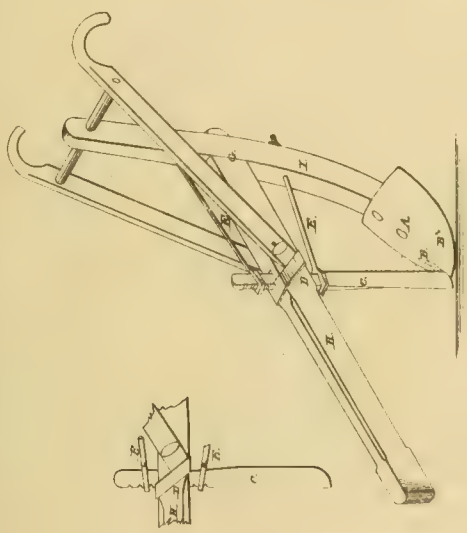
No. 64,592. Patented May 7, 1867.



A. CARSON.

Shovel-Plow

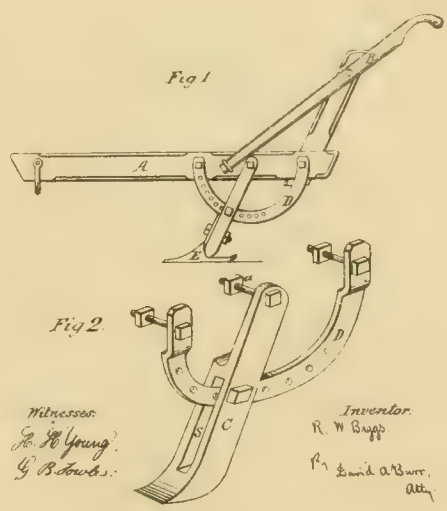
No. 64,747 Patented May 14, 1867



R. W. BIGGS.

Shovel-Plow

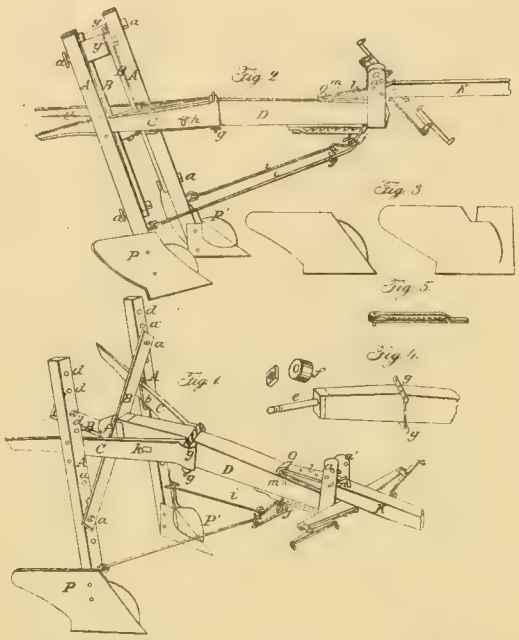
No. 65,050. Patented May 28, 1867.



J. M. CLARK.

Shovel-Plow.

No. 65,725. Patented June 11, 1867.



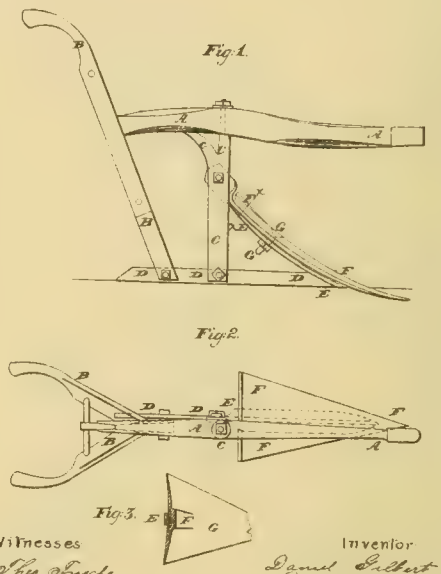
Witnesses:
H. P. K. Peck
J. H. Clark

Inventor:
John M. Clark
by his atty
H. P. K. Peck

D. GILBERT.

Shovel-Plow.

No. 66,744. Patented June 25, 1867.



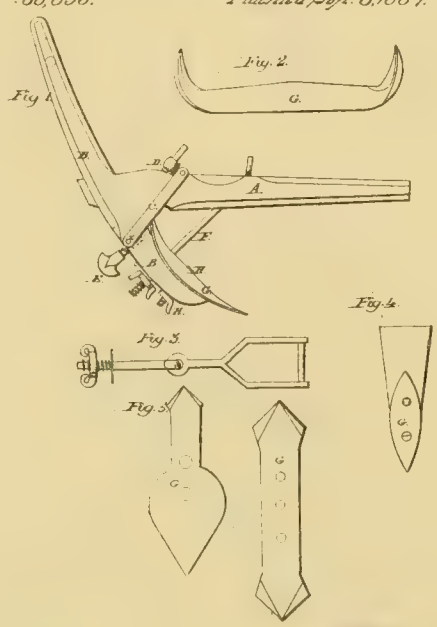
Witnesses
Theo Fuscle
J. A. Scrivie

Inventor
Daniel Gilbert
Per Munn & Co
Attorneys

W. H. Stautzman.

Shovel Plow.

No. 68,393. Patented Sept. 3, 1867.



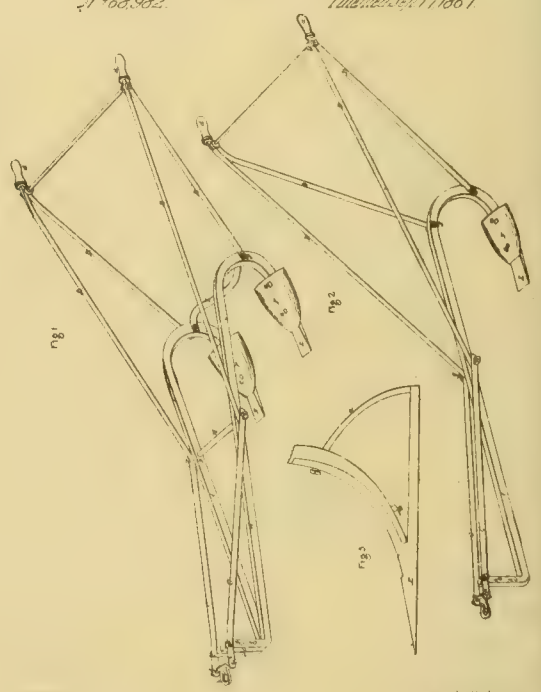
Witnesses.

Inventor.
Wm. H. Stautzman
per
A. Crandell Mason
Attorney

W. R. Harman

Shovel Plow

No. 68,982. Patented Sept. 17, 1867



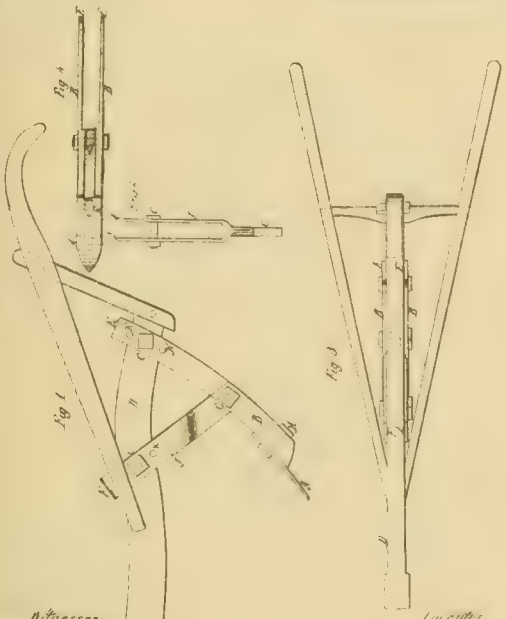
Witnesses

Inventor

J. D. Evans.

Plow

No. 69,083. Patented Sept. 24, 1867.



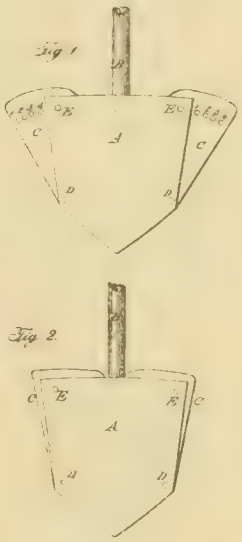
Witnesses,
Geo. Fronks
W. G. H. Allen

Inventor,
J. D. Evans
By his Atty
W. Franklin Knight

M. E. STANGER.

Shovel Plow.

No. 69,137. Patented Sept. 24, 1867.



Witnesses.
Charles Hoebel
D. E. Stanger

Inventor.
M. E. Stanger
By his attorneys
Lyon & Shepin

M. Prentiss.

Shovel Plow.

No. 69,478. Patented Oct. 1, 1867.

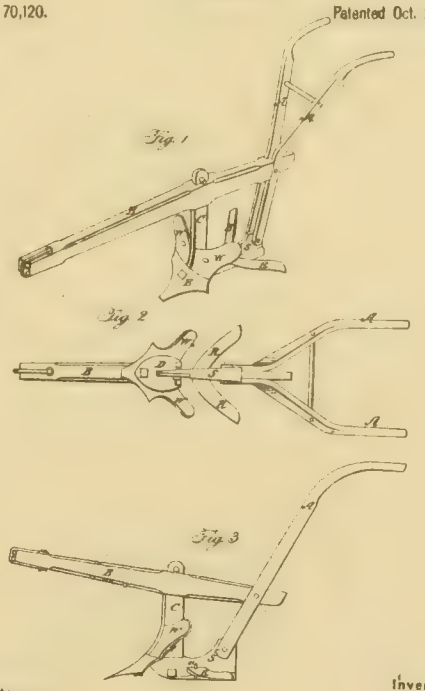
Witnesses
Theo Tusche
J. Hasson Fraser

Inventor
M. Prentiss
per Munn & Co.

D. C. RICHARDSON.

Shovel Plow.

No. 70,120. Patented Oct. 22, 1867



Witnesses.
John D. Blair.
J. Shellinghead Jr

Inventor.
D. C. Richardson
per
Richard Wellington Atty

72085

P. Atkinson Ross's Impt in Shovel Plows Cultivators etc.

PATENTED DEC 10 1867

Fig. 1.

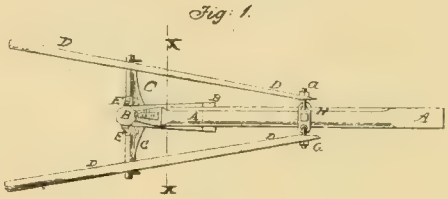


Fig. 3.

Witnesses.
Theo Snake
N. Irwin

Inventor.
P A Ross
Per Munn & Co

A. N. Moore. Cultivator.

72880

PATENTED DEC 31 1867

Fig. 1.

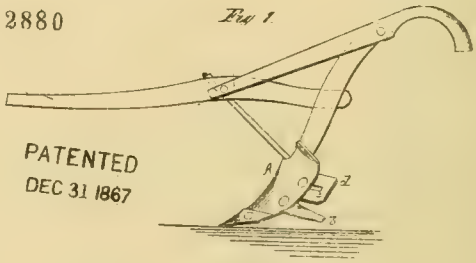
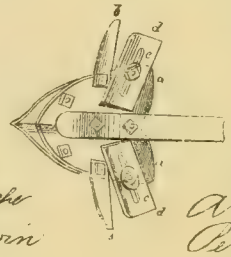


Fig. 2.



Witnesses.
Theo Snake
N. Irwin

Inventor.
A. N. Moore
Per Munn & Co
Attorneys

PATENTED JAN 21 1868

W. T. Howell's Plow.

73606

Fig. 1.

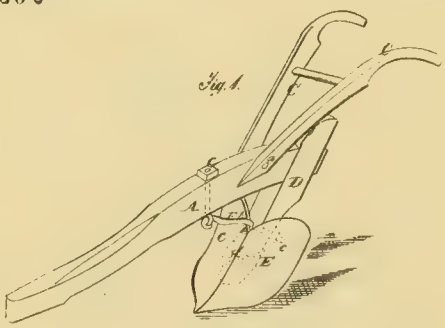


Fig. 2.

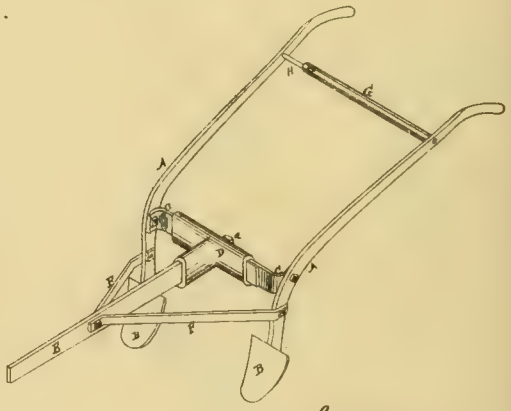
Fig. 3.

Witnesses.
H. G. Holdsworth
Theo Snake

Inventor.
W. T. Howell
per Munn & Co
Attorneys

Shalters & Ray.
Double-Shovel Plow.

No 75988 Patented Mar. 24, 1868



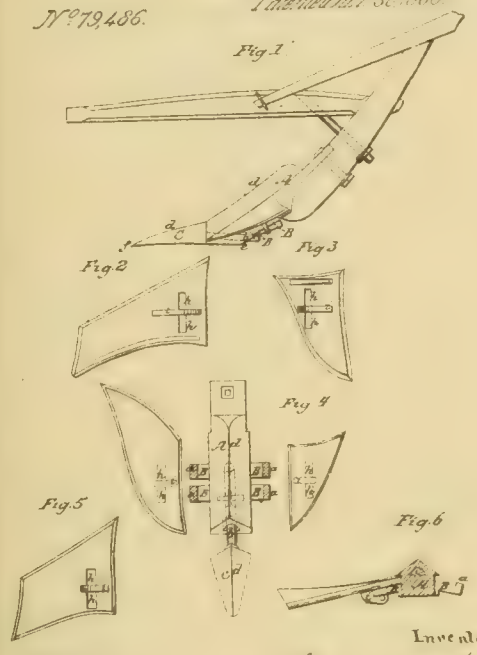
Witness
Louis Cox
A. K. Moore

Inventor.
M. R. Shalter
Sam. Ray
per
Alexander Wilson

H. Marshall.

Shovel Plow

No. 79,486. Patented June 30, 1868.



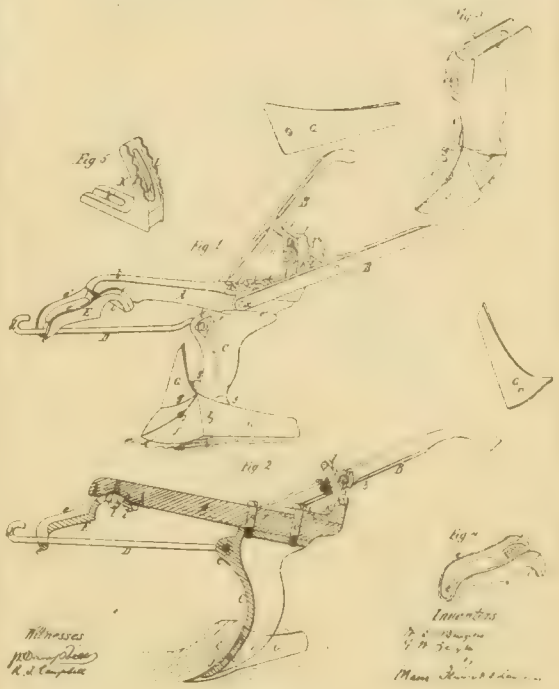
Witnesses
Leopold Eck
A. A. Heatman.

Inventor
Hammond Marshall
by Alexander Hadow
Atty

Burgess & Temple.

Shovel Plow.

No. 79,547. Patented Jul. 7 1868.



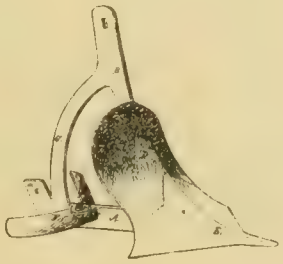
Witnesses
R. S. Campbell

Inventors

T. A. Wainwright,

Cotton Plow.

No. 79,706. Patented July 7. 1868.



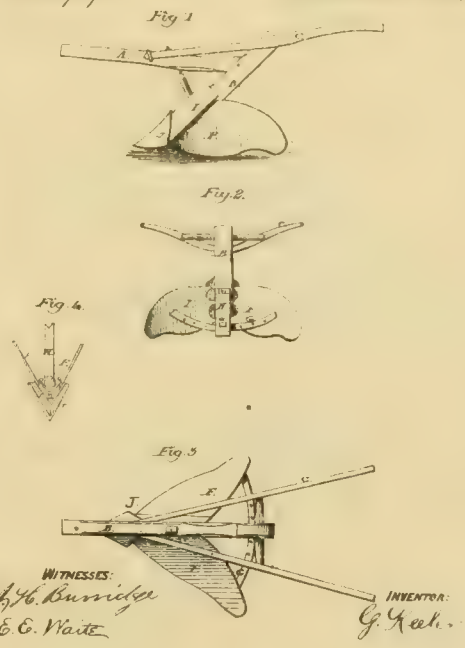
Witnesses
Wm. H. Coulson
Geo. W. Green

Inventor
Theophilus A. Wainwright
by
J. B. Wheelwright Jr. Atty.

G. W. Keeler.

Shovel Plow.

No. 82,959. Patented Oct. 13 1868.



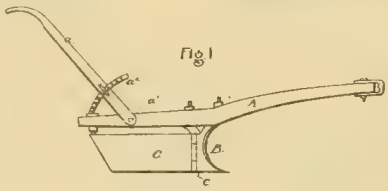
WITNESSES:
J. H. Burridge
E. E. Waite

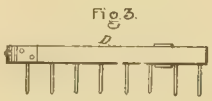
INVENTOR:
G. Keeler.

J. Haessel.

Shovel Plow.

No. 83,154. Patented Oct. 20, 1868.





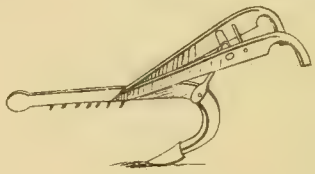
Witnesses
Robert Burns
H. C. Pauly

Inventor:
J. Haessel by his attys
M. Van Santvoord & Co

W. B. Evans.

Shovel Plow.

No. 83,481. Patented Oct. 27, 1868.



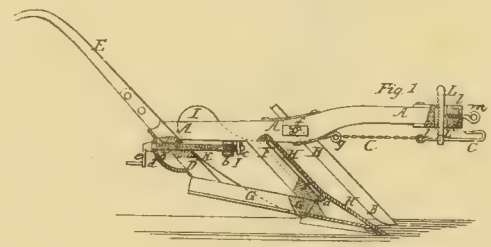
Witnesses;
H. G. Fall
George W. Bennett

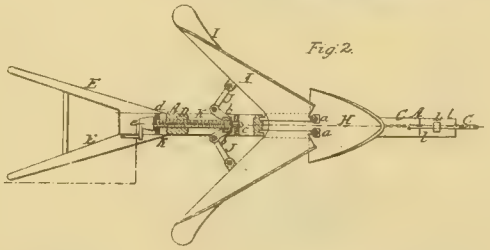
Inventor;
W. B. Evans

C. F. NOFTZ.

Shovel Plow.

No. 83,992. Patented Nov. 10, 1868.





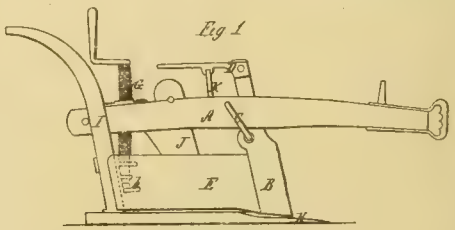
Witnesses
Geo. A. Morgan
Philip C. Dieterich

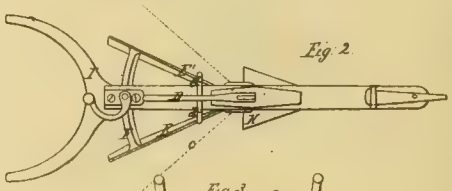
Inventor
C. F. Noftz
per Munn & Co
Attys

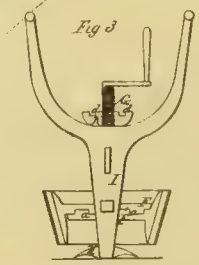
J. Bader, Sr.

Plow

No. 86,896. Patented Feb. 16, 1869.



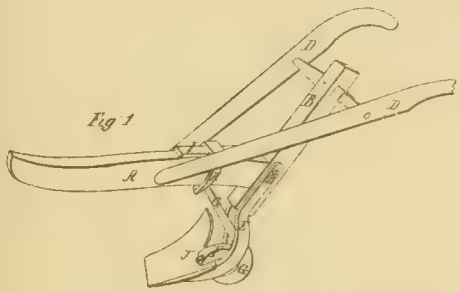




Witnesses;
J. H. Burridge
Frank S. Allen

Inventor
J. Bader

L. G. Peel,
Plow.
No. 87,362. Patented Mar. 2, 1869.



Witnesses.
Lafayette Ewart
Cornelius Cox.

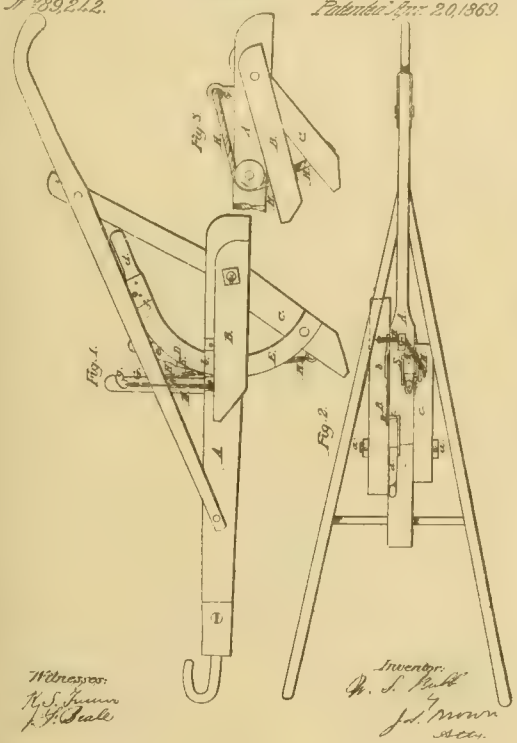
Inventor
Lawson G. Peel.
per Alexander Walker
Atty

U. T. Stewart.
Plow.
No. 88,344. Patented Mar. 30, 1869.

Witnesses.
John L. S. Stewart
T. F. Brewer

Inventor.
U. T. Stewart

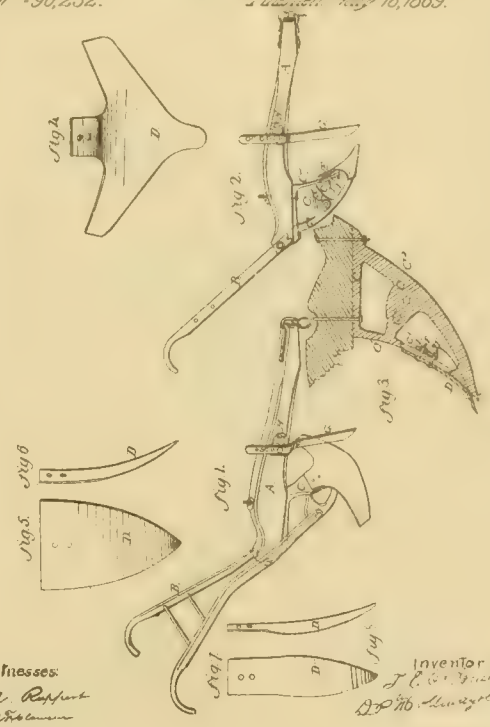
W. S. Rabb
Plow
No. 89,242. Patented Apr. 20, 1869.



Witnesses:
R. S. Fenn
J. G. Teale

Inventor.
W. S. Rabb
J. J. Brown
Atty.

I. E. C. Brinker
Plow
No. 90,232. Patented May 18, 1869.



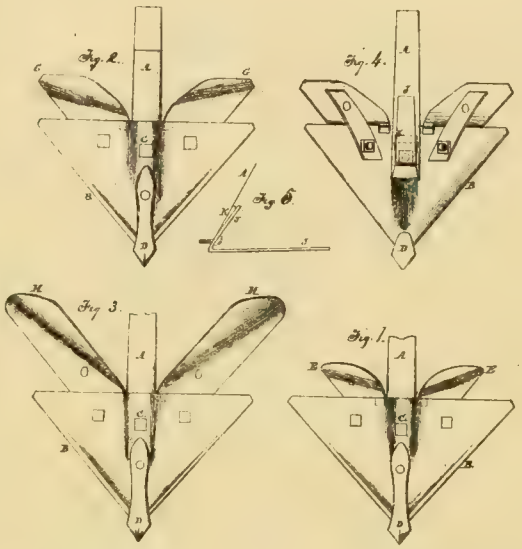
Witnesses:
A. Rapsport
C. Kalamen

Inventor
I. E. C. Brinker
D. P. Wilkinson Atty

W. O. Neill,

Plow.

No. 91,157. Patented June 8 1869.



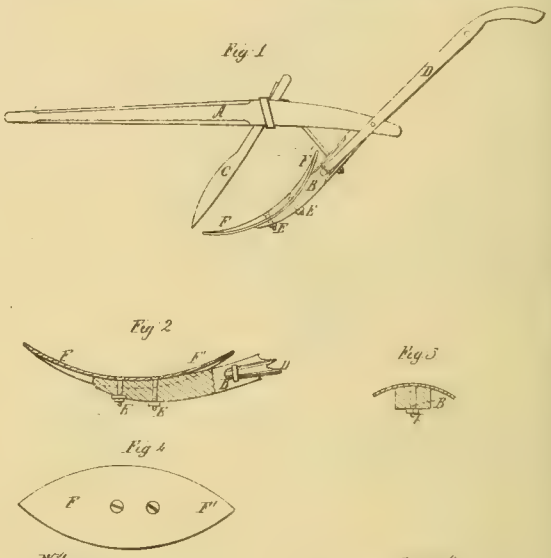
Witnesses.
Ed. L. Foster
A. W. Fornshield

Wm. O. Neill
by his Atty
J. F. Rines

S. Riley,

Shovel Plow.

No. 91,164. Patented June 8. 1869.



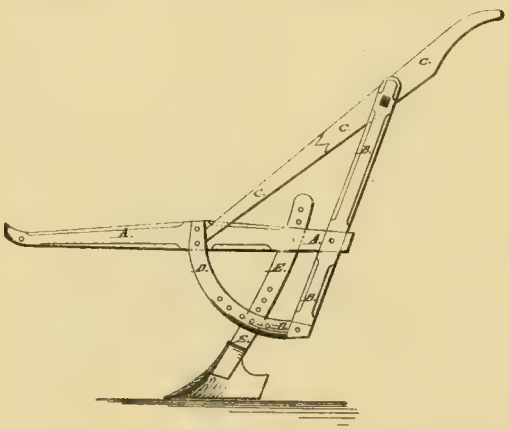
Witnesses.
William Hunter
Saml. Knight

Inventor.
S. Riley
By Knight & Bros

D. H. Hill.

Plow.

No. 91,631. Patented Jun. 22, 1869.



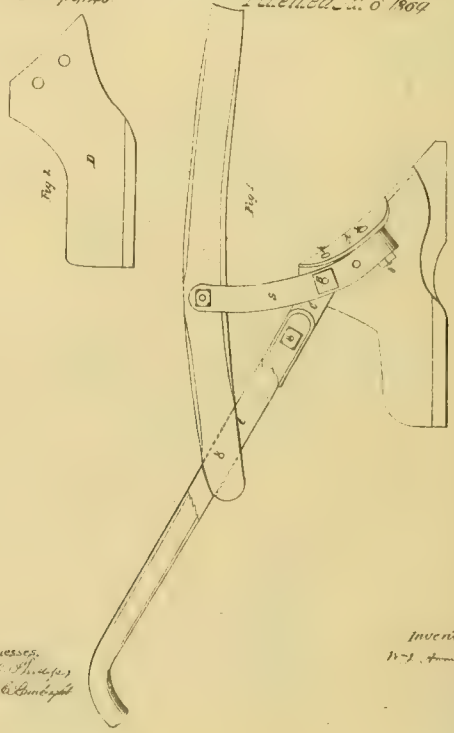
Witnesses:
Geo. Nida
C. Hinchman

Inventor.
D. H. Hill
By Munn & Co
Attys

W. J. Arrington

Plow.

No. 92,143 Patented July 1869



Witnesses.
J. F. Thomas
C. Bundy

Inventor,
W. J. Arrington

L. Guthrie.

Plow

No. 94,439. Patented Sept. 7, 1869.

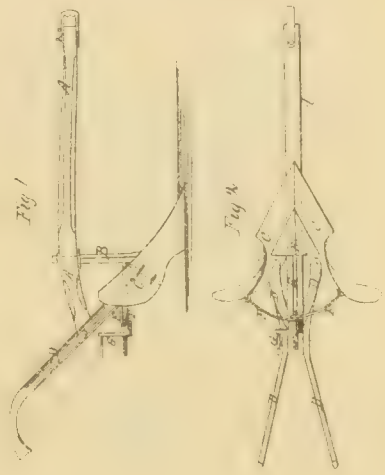
Witnesses:
Enos Crouch
W. T. Dennis

Inventor
Levi Gutter.

H. Nolte.

Plow

No. 94,634. Patented Sept. 7, 1869.



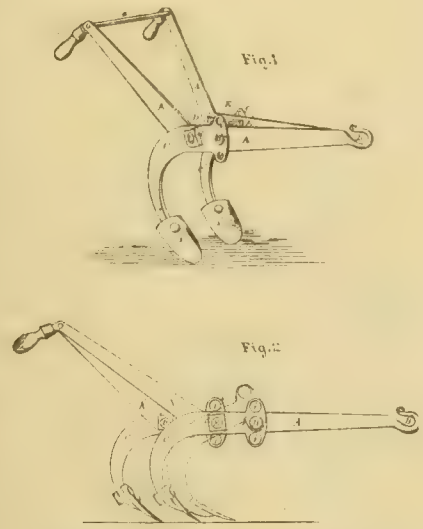
Witnesses
Nolte
E. Freund

Inventor
H. Nolte
Attorney

H. H. Love.

Shovel Plow.

No. 96,018. Patented Oct. 19, 1869.



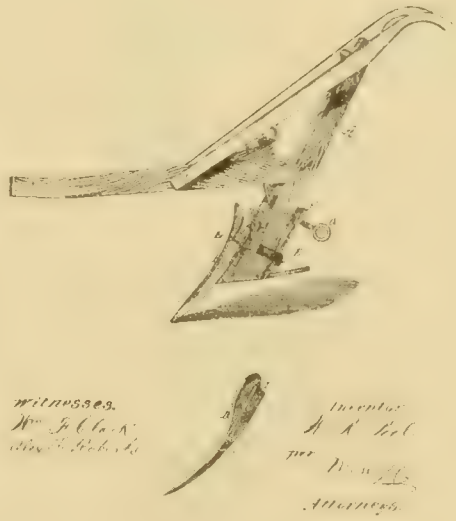
WITNESSES
W. M. Ewing

INVENTOR
H. H. Love
By his Atty.

W. F. Fox.

Plow

No. 96,614. Patented Nov. 9, 1869.



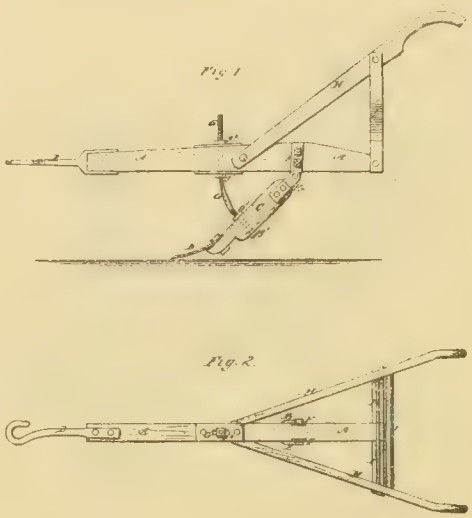
Witnesses.
Wm. F. Clark
Chas. F. Schultz

Inventor
W. F. Fox
per
Attorneys.

C. C. Ansley,

Plow.

No. 97,337. Patented Nov. 30, 1869.



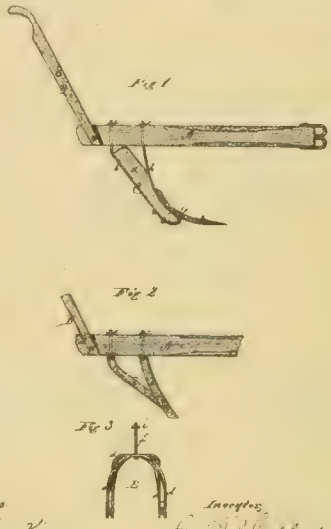
Witnesses:

Inventor:

J. R. Gilbert,

Shovel Plow.

No. 97,338. Patented Nov. 30, 1869.



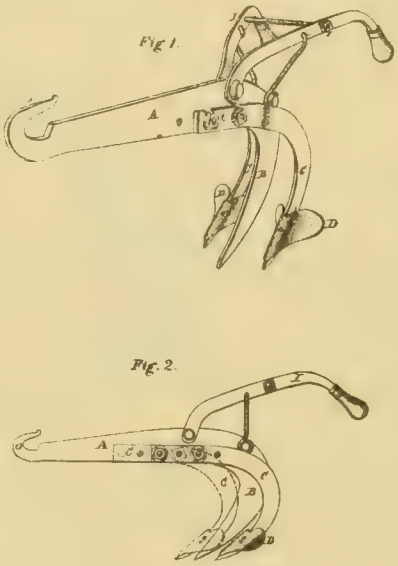
Witnesses.

Inventor.

J. M. Goodall,

Shovel Plow.

No. 99,159. Patented Dec. 21, 1869.



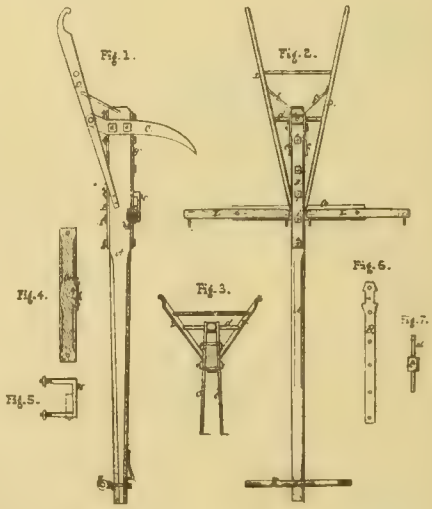
Witnesses:

Inventor:

J. B. Lyons,

Shovel Plow.

No. 100,165. Patented Feb. 22, 1870.



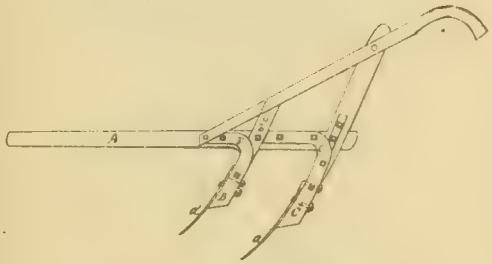
Witnesses.

Inventor.

M. Fort,

Shovel Plow.

No. 109,163. Patented Nov. 15, 1870.



Witnesses
Solon C. Kemon
Chas. A. Pettit

Alexander Fort
Inventor
by Geo. E. Brown
Atty.

T. T. Singleton,

Shovel Plow.

No. 101,056. Patented Mar. 22, 1870.

Fig. 1

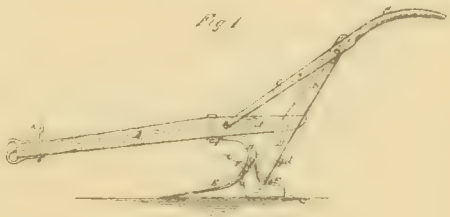


Fig. 2

Fig. 3

Fig. 4.

Witnesses:
A. W. Mengeist
Geo. H. Brooks

Inventor:
T. T. Singleton
per
Munn & Co.

A. F. Eppes,

Shovel Plow.

No. 102,788. Patented May 10, 1870.

fig 1.

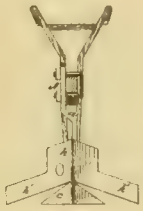


fig 2.

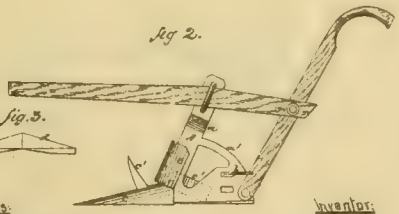


fig. 3.

Witnesses:
Chas. Hagemann
C. A. Pettit

Inventor:
A. F. Eppes
per Munn & Co.
Attorneys.

E. W. Walton,

Cultivator.

No. 105,589. Patented July 19, 1870.

Fig. 1.

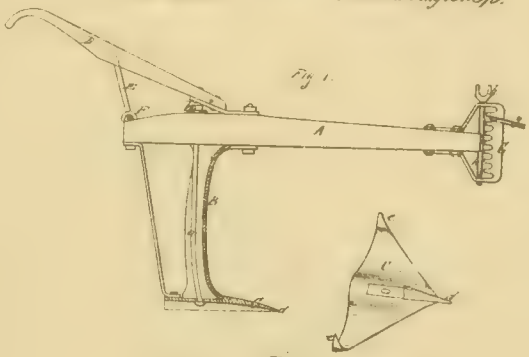
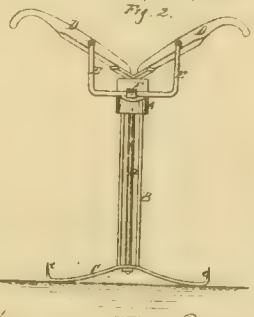


Fig. 2.



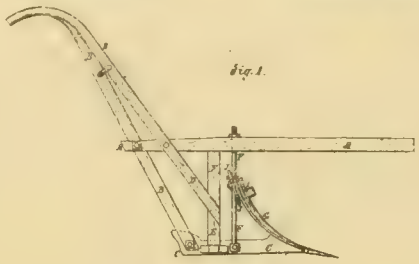
Witnesses
E. K. Ryan
Wm. Pellach

Inventor.
Elisha W. Walton

W. R. Blanchard,

Shovel Plow.

No. 105,892. Patented Aug. 2. 1870.



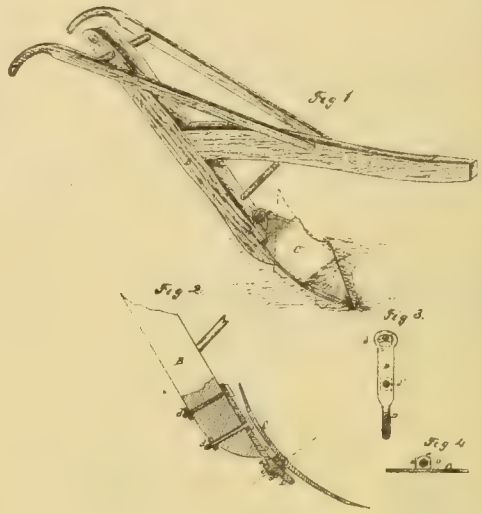
Witnesses:
[illegible]
Edgar Tate

Inventor:
W. R. Blanchard
Per [illegible]
Attorneys.

C. Snyder,

Plow.

No. 107,828. Patented Sept. 27. 1870.



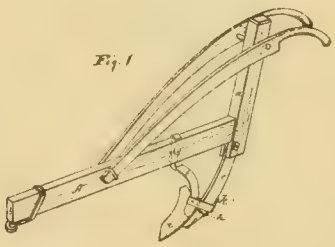
Witnesses
A. Rupert
E. F. Clausen

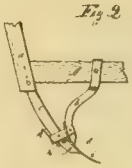
Inventor
Cyrus Snyder
per [illegible]
Attys

C. H. Snead,

Shovel Plow.

No. 107,973. Patented Oct. 4. 1870.





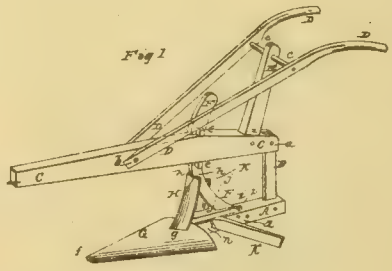
Witnesses
[illegible]
[illegible]

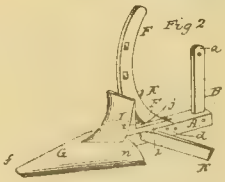
Chas. H. Snead, Inventor
By [illegible]
his Attorneys

T. F. JONES.

Cultivator Plow.

No. 109,629. Patented Nov. 29, 1870





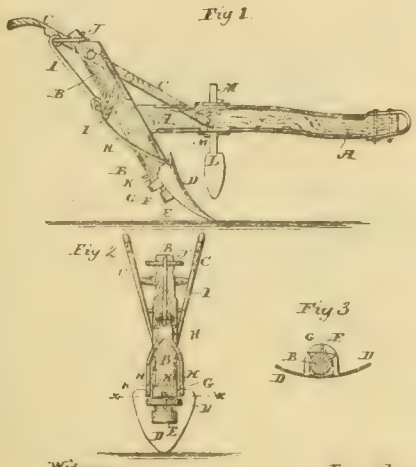
WITNESSES
Henry Willygoat
Edmund Larson

INVENTOR
Thomas F. Jones
By atty M. B. Stoughton

A. SNYDER.

Shovel Plow.

No. 109,960. Patented Dec. 6. 1870.



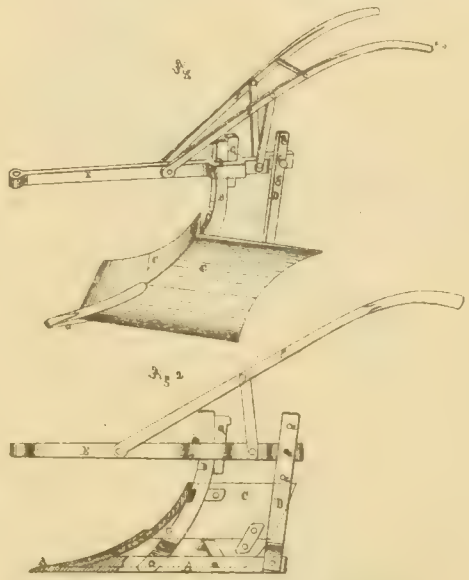
Witnesses
P. G. Dubois
L. S. Mabie

Inventor
A. Snyder
per Munn & Co
Attys.

J. Snider.

Plow.

No. 110,417. Patented Dec. 27. 1870.



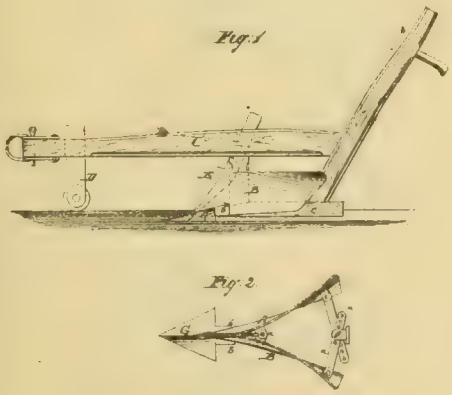
Witnesses:
Henry C. Strange
of Wilmington Delaware

Inventor:
James Snider
per Wm. Wooney
Thomas B. Strange

J. Stinger.

Shovel Plow

No. 111,391. Patented Jan. 31. 1871.



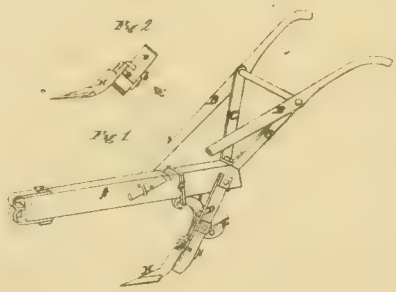
Witnesses:
L. S. Mabie
Alex. F. Roberts

Inventor:
J. Stinger
Per Munn & Co
Attorneys.

S. B. King.

Plow.

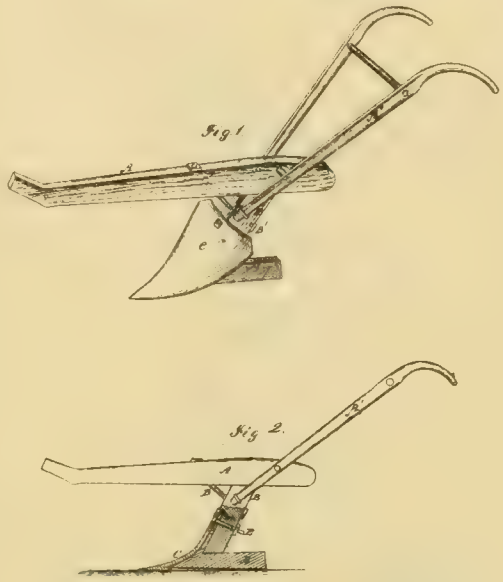
No. 111,651. Patented Feb. 7. 1871.



Witnesses
Henry King
C. A. Ewert

Inventor
Hampson B. King
per Alexander Mason
Atty.

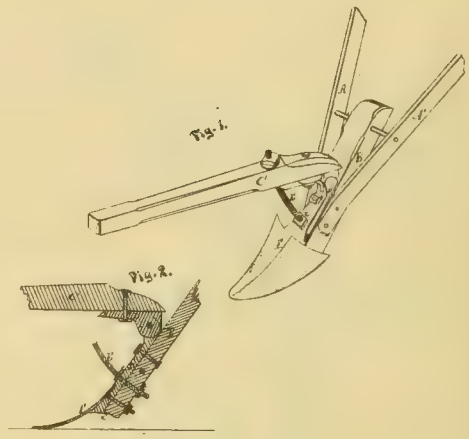
F. H. Rowlets,
Shovel Plow.
No. 112,212. Patented Feb. 28, 1871.



Witnesses
A. Robert
C. F. Clausen

F. H. Rowlets
Inventor.
D. R. Holloway & Co.
Attys

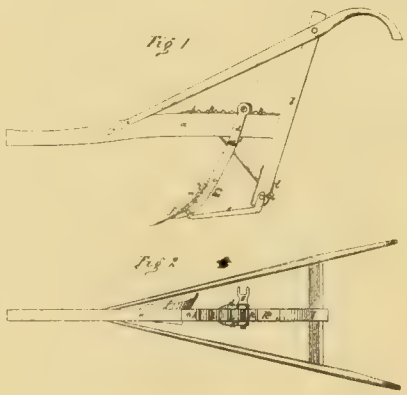
S. W. Pife,
Shovel Plow.
No. 113,341. Patented Apr. 4, 1871.



Witnesses:
A. M. L. Grant
Th. H. Rowe

Inventor
S. W. Pife by
N. Wm. Reader, Atty.

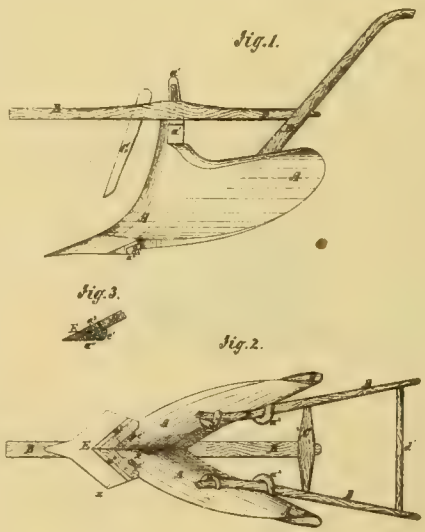
WILLIAM F. PARKER.
Improvement in Plows.
No. 114,334. Patented May 2, 1871.



Witnesses:
H. M. Keiper
C. A. Ruth

Inventor:
Wm. F. Parker.
Per
Attorneys.

D. CULVER.
Improvement in Cultivator Plows.
No. 115,033. Patented May 23, 1871.



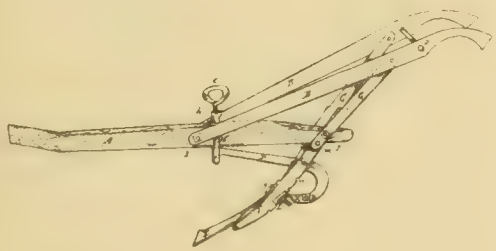
Witnesses:
A. Ammerman Jr.
G. S. Maber

Inventor:
D. Culver
Per

W. THOMAS JORDAN.

PLOW

No. 121,381. Patented Nov. 28, 1871.



WITNESSES

S. L. Bennett

H. Clay Stewart

INVENTOR

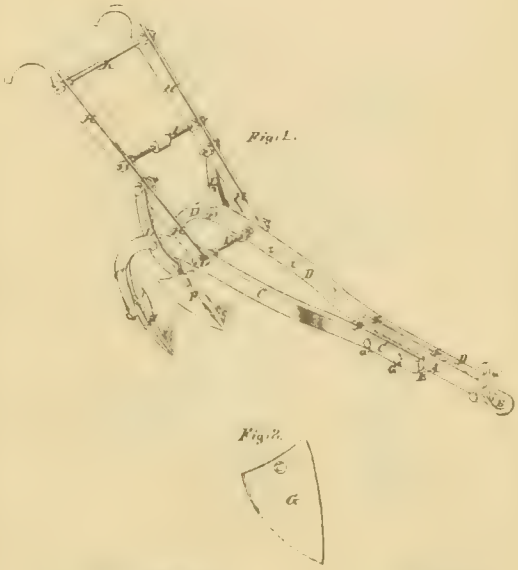
W. Thomas Jordan

By G. W. Bennett Atty

W. H. H. Doty,

Comb'd. Double, Shared, Single, Shared and Covering Plow.

No. 122,162 Patented Dec. 26, 1871.



Witnesses:

M. Vorlander

R. C. Jones

Inventor:

W. H. H. Doty

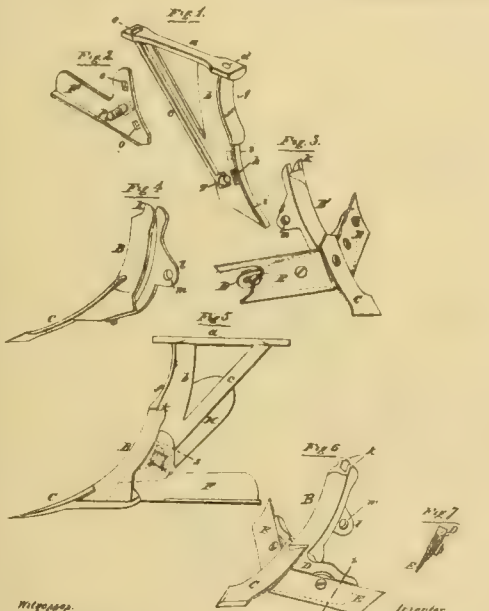
Per Wm. P. Thomas

Attorneys.

N. Z. GLENN.

Improvement in Plows.

No. 122,885. Patented Jan. 23, 1872



Witnesses.

Geo. F. Fry

Phil. T. Dodge

Inventor.

Nicholas Z. Glenn

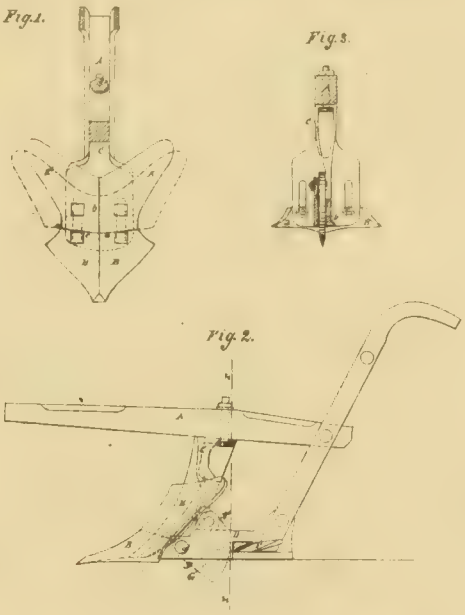
by Dodge & Munn

Attys

C. BILLUPS.

Improvement in Plows.

No. 123,858. Patented Feb. 20, 1872.



Witnesses:

Geo. C. Lemon

Thos. L. L. Durand

Inventor:

Cicero T. Billups

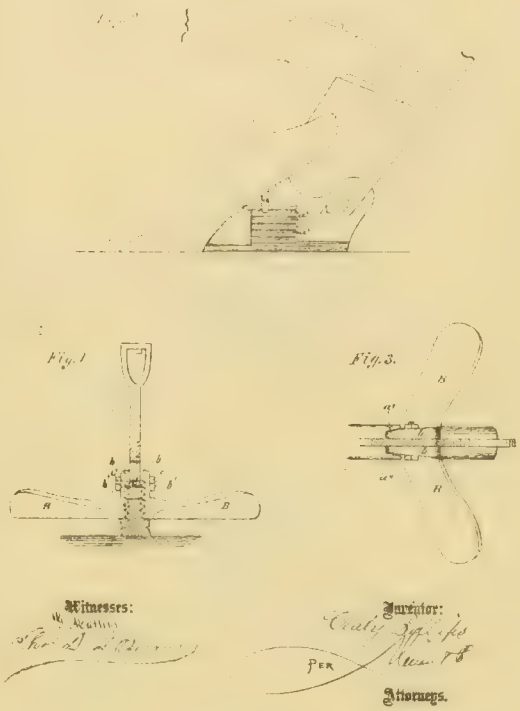
Per Wm. P. C.

Attorneys.

CEALY BILLUPS.

Improvement in Cultivators.

No. 126,513 Patented May 7, 1872.

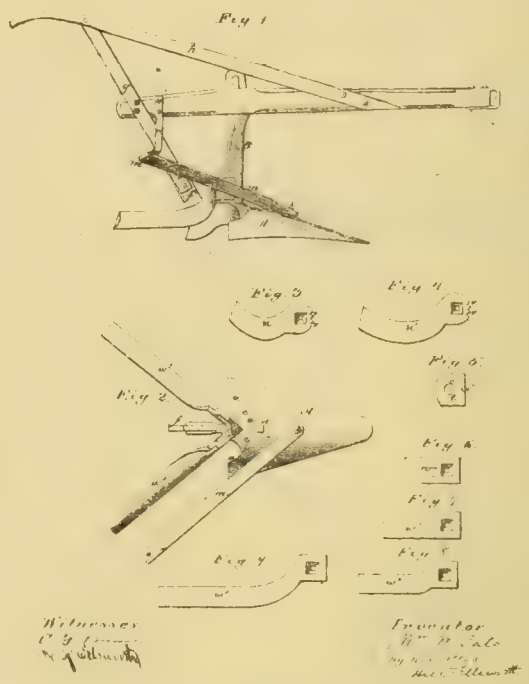


2 Sheets--Sheet 1.

W. W. CATO

Improvement in Cultivators.

No. 128,360. Patented June 25, 1872.

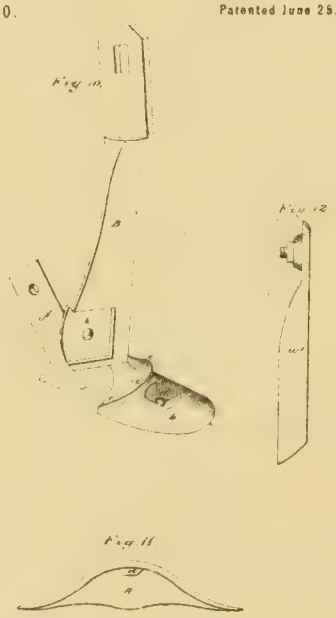


2 Sheets--Sheet 2.

W. W. CATO.

Improvement in Cultivators.

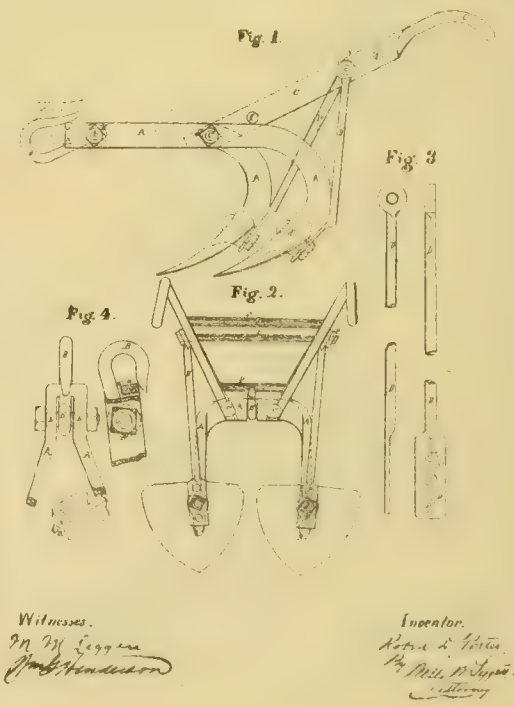
No. 128,360. Patented June 25, 1872.



R. D. PORTER

Improvement in Plows.

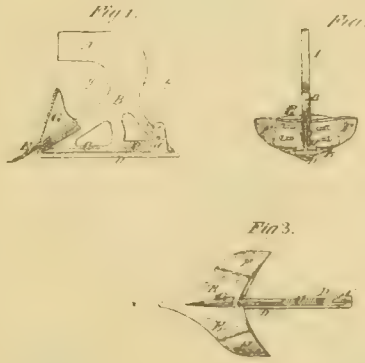
No. 128,505. Patented July 2, 1872



A. RICKARD.

Improvement in Plows.

No. 129,057. Patented July 16, 1872.



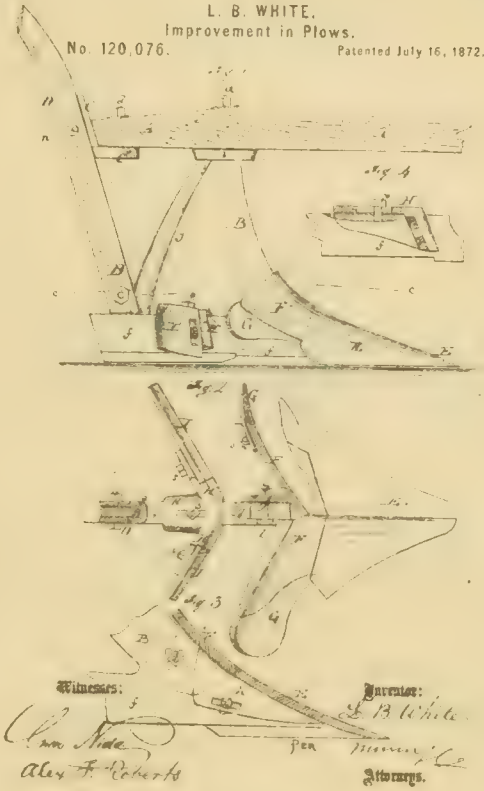
Witnesses:

Inventor:
Alexander Rickard
per
Attorneys.

L. B. WHITE.

Improvement in Plows.

No. 120,076. Patented July 16, 1872.



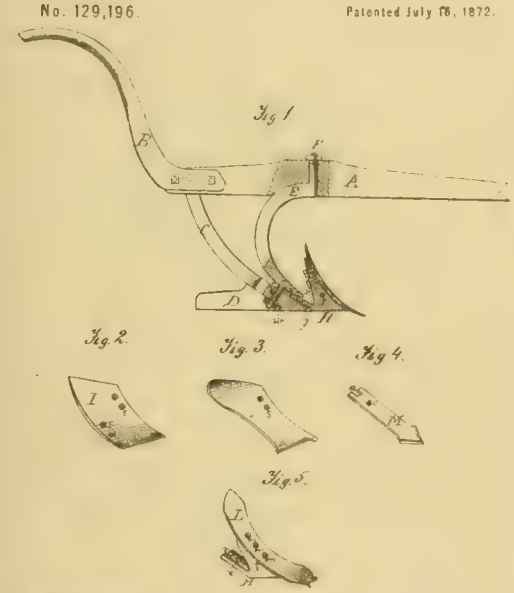
Witnesses:
Alex F. Roberts

Inventor:
L. B. White
per
Attorneys.

J. C. WILLIAMSON.

Improvement in Plows.

No. 129,196. Patented July 16, 1872.



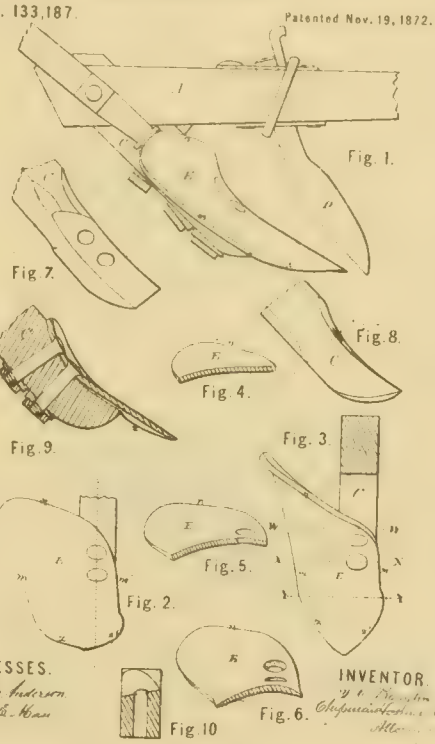
Witnesses.

Inventor.
Joshua C. Williamson
by his attys

S. C. BAUGHN.

Improvement in Plows.

No. 133,187. Patented Nov. 19, 1872.



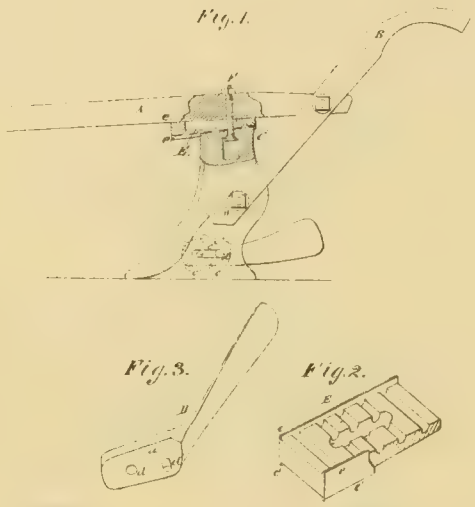
WITNESSES.

INVENTOR.

C. BILLUPS.

Cultivators.

No. 135,070. Patented Jan. 21, 1873.



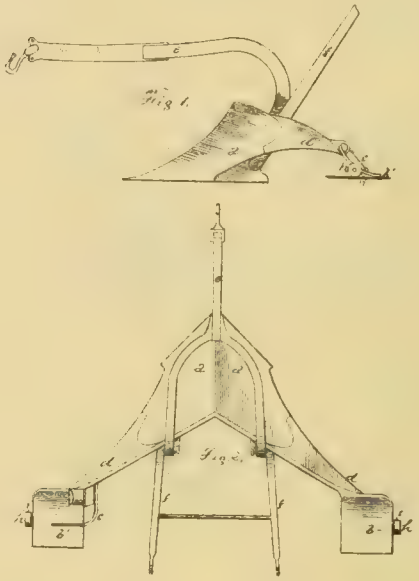
Witnesses:
J. Matlips
John H. Emery

Inventor:
Cady Billups
per
Kenn. & Co
Attorneys.

T. J. CLARK & G. M. CLARK.

Plows.

No. 137,060 Patented March 25, 1873.



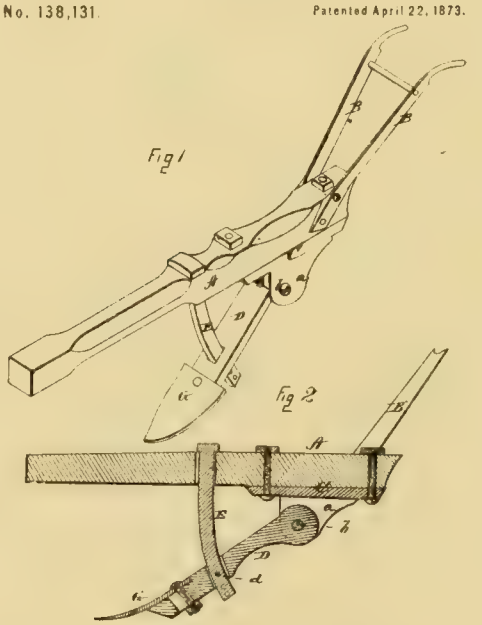
WITNESSES.
John Pettit

INVENTOR
Thomas J. Clark
George M. Clark
By H. T. Simmons
Atty

J. M. COBB.

Plows.

No. 138,131. Patented April 22, 1873.



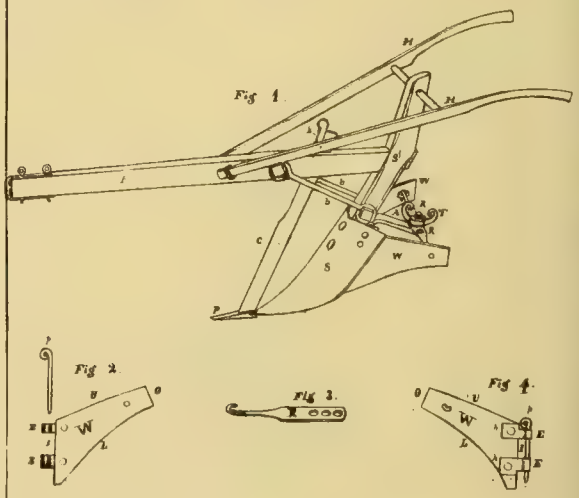
Witness:
Hanor L. Omond
C. L. Ewart.

Inventor.
James M. Cobb.
per Kerr & Swan
Attorneys.

W. JOHNSON & M. RANNEY.

Shovel-Plows.

No. 138,656 Patented May 6, 1873.

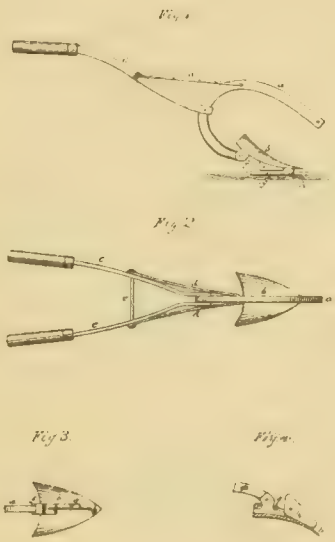


Witnesses=
H. B. Foster.
W. M. Burke

Inventors
Wellington Johnson
Moses Ranney

J. PRESTON
Corn-Plows

No. 138,818 Patented May 13, 1873

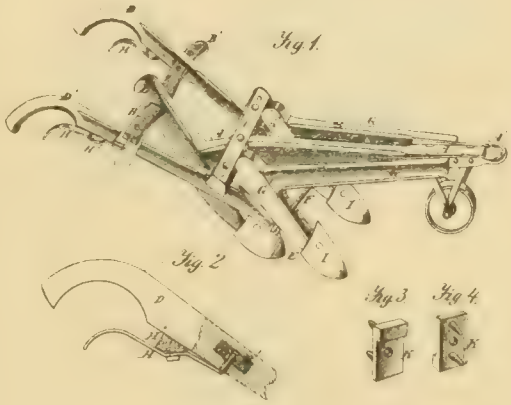


Witnesses.
H. H. Wickes
L. W. Howard

Inventor
John Preston
By Geo. Rothwell
Atty

A. S. MANN.
Plows.

No. 140,716. Patented July 8, 1873.

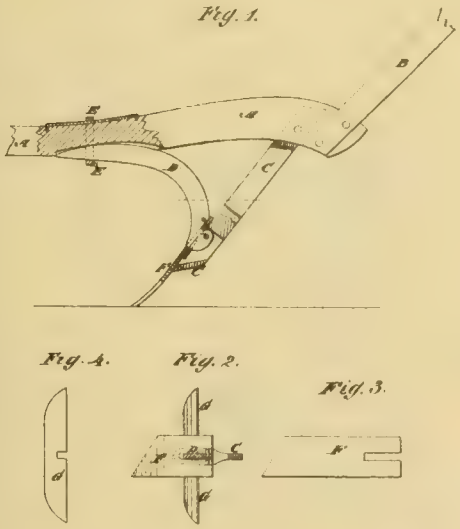


Witnesses.
J. Rolfe
S. B. Adams

Inventor.

T. G. ANDREWS & A. RIVIERE.
Plows.

No. 141,533 Patented August 5, 1873.



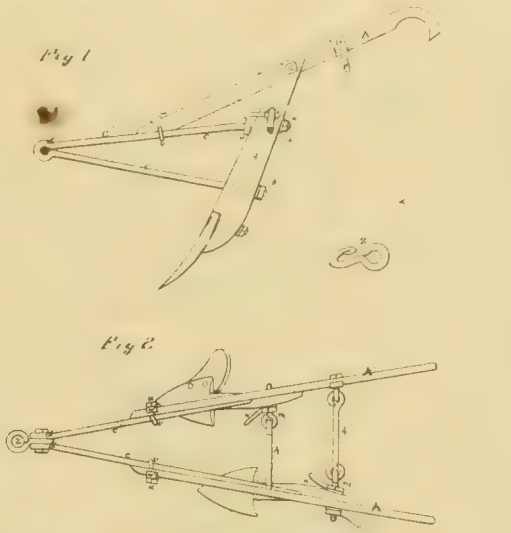
Witnesses:
E. Wolff
Wm. Quinn

Per

Inventor:
T. G. Andrews
A. Riviere
Munn & Co
Attorneys.

J. J. MITCHELL.
Shovel-Plows.

No. 141,583. Patented August 5, 1873



Witnesses
E. H. Bates
Geo. E. Upham

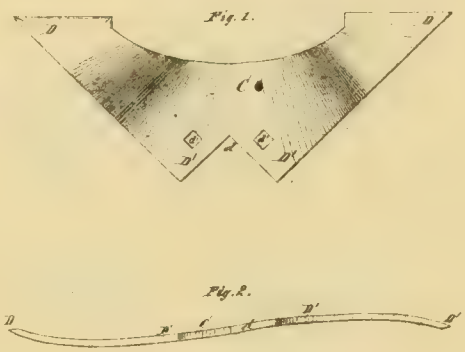
Inventor.
John J. Mitchell
Osborn & Fowler
Attys

2 Sheets--Sheet 1.

R. M. PATTILLO.

Reversible Plow-Points.

No. 142,864. Patented September 16, 1873.



Witnesses:

Inventor:

Per

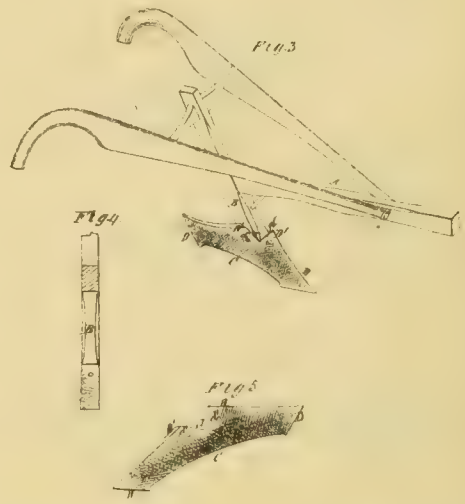
Attorneys.

2 Sheets--Sheet 2

R. M. PATTILLO.

Reversible Plow-Points

No. 142,864. Patented September 16, 1873.



Witnesses:

Inventor:

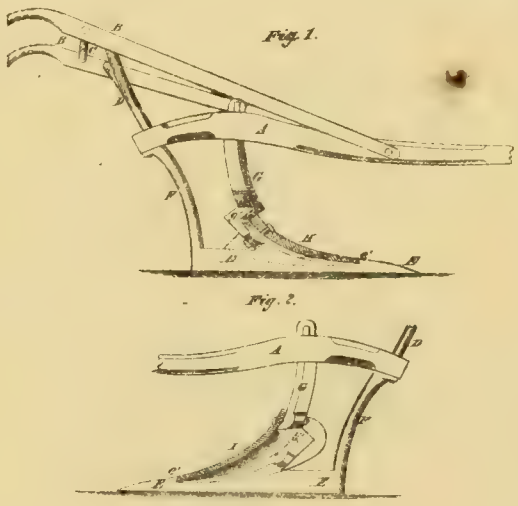
Per

Attorneys.

W. BAGNALL.

Cultivating Plows.

No. 144,247. Patented Nov. 4, 1873.



Witnesses:

Inventor:

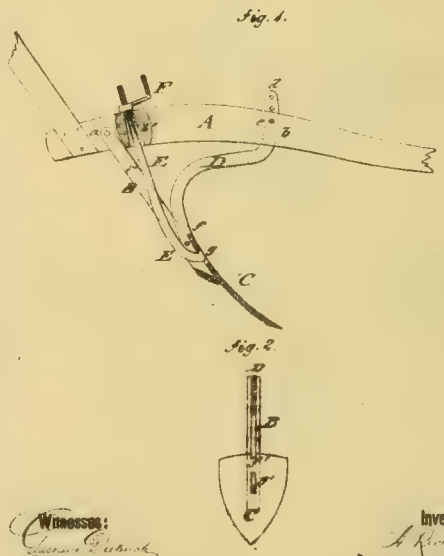
Per

Attorneys.

A. BIVIERE.

Plows.

No. 144,477. Patented Nov. 11, 1873.



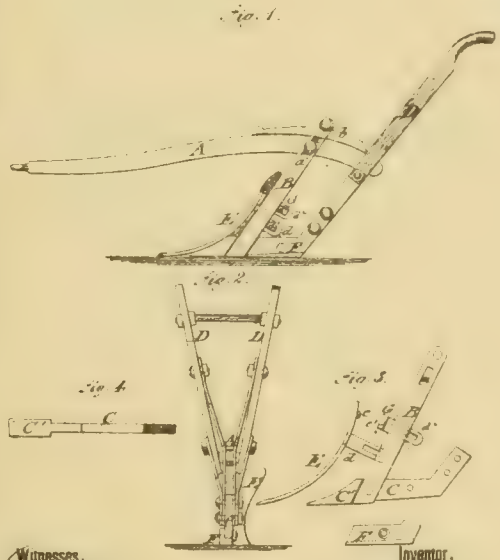
Witnesses:

Inventor:

Per

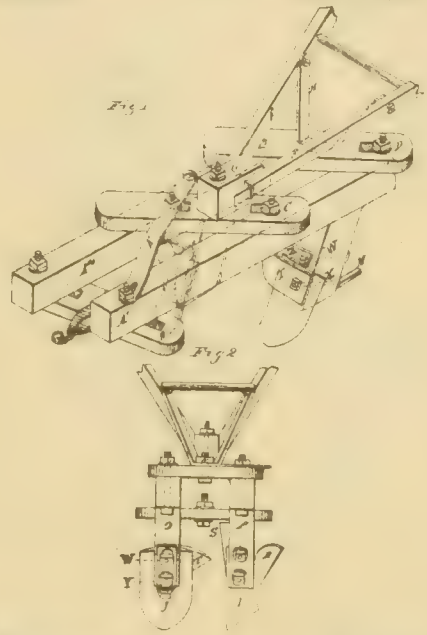
Attorneys.

W. T. SHIPP, C. J. PETERSON, & R. L. McLURG.
Plows.
No. 144,707. Patented Nov. 18, 1873.



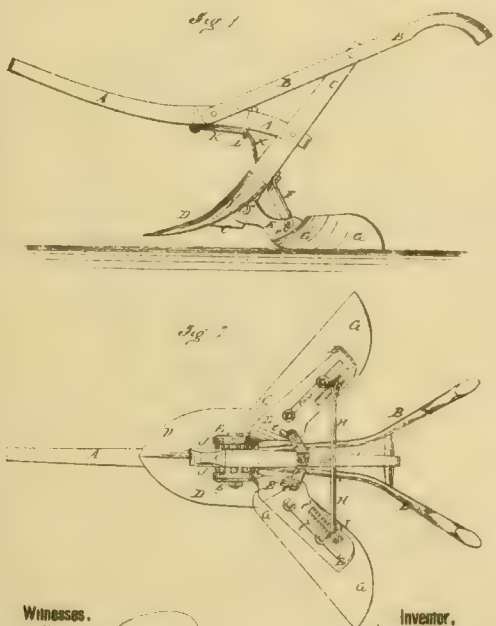
Witnesses.
Inventor.
Per
Attorneys.

A. RODEN.
Cultivators.
No. 145,901. Patented Dec. 23, 1873.



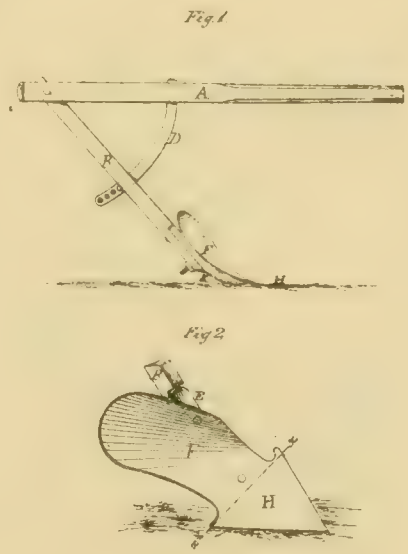
Witnesses.
Inventor.
Alfred Roden per

I. A. BENEDICT.
Winged Plow.
No. 146,225. Patented Jan. 6, 1874.



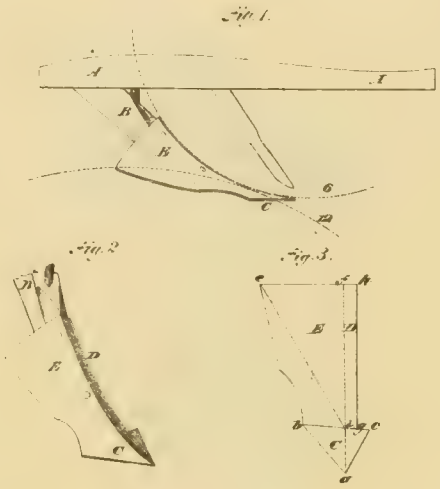
Witnesses.
Inventor.
Isaac A Benedict
Per
Attorneys.

C. BAINES.
Plows.
No. 146,524. Patented Jan. 20, 1874.



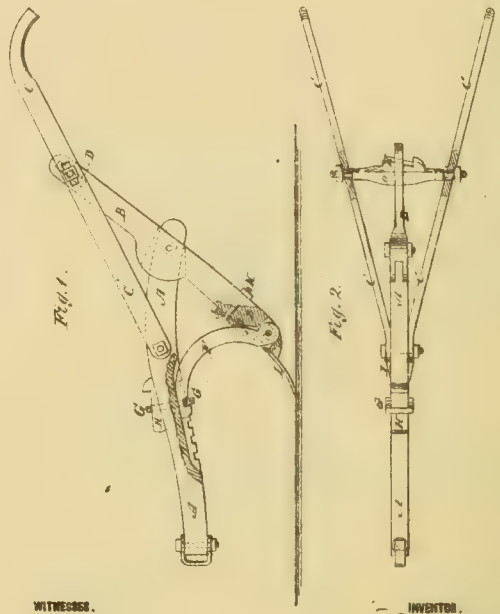
Attest.
Inventor.
Coleman Baines
by his Atty

I. M. FORD.
Plows.
No. 146,815 Patented Jan. 27, 1874.



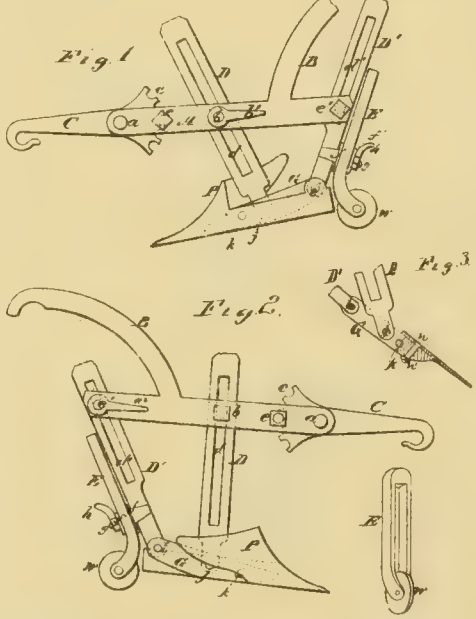
WITNESSES: INVENTOR: BY ATTORNEYS.

T. M. ALLEN.
Plows.
No. 149,088. Patented March 31, 1874.



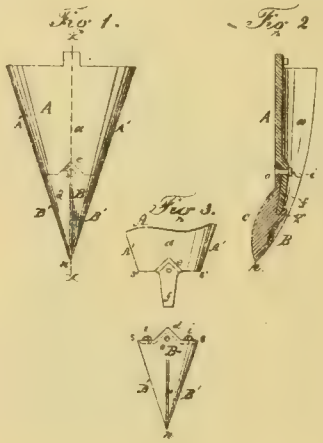
WITNESSES. INVENTOR. BY ATTORNEYS.

F. J. PETITJEAN.
Plows.
No. 149,518. Patented April 7, 1874.



WITNESSES INVENTOR. ATTORNEYS.

D. F. PHILLIPS.
Shovel-Plow and Cultivator Points.
No. 152,510. Patented June 30, 1874.



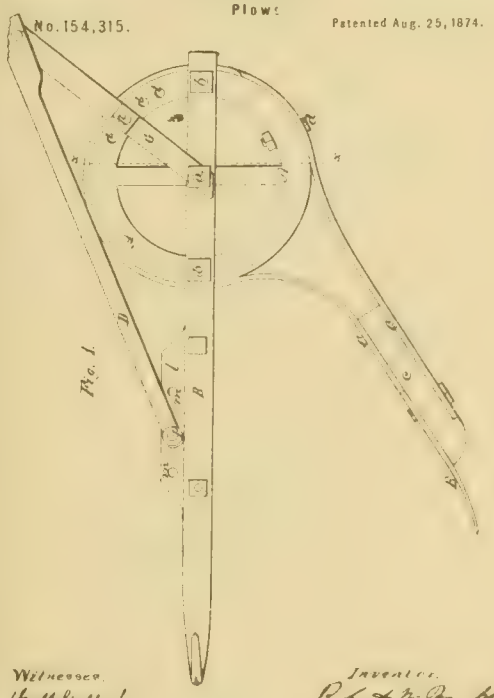
Witnesses. Inventor.

2 Sheets--Sheet 1.

R. W. BANKS.

Plows.

No. 154,315. Patented Aug. 25, 1874.



Witnesses.
E. McCallahan
C. Clarence Poole

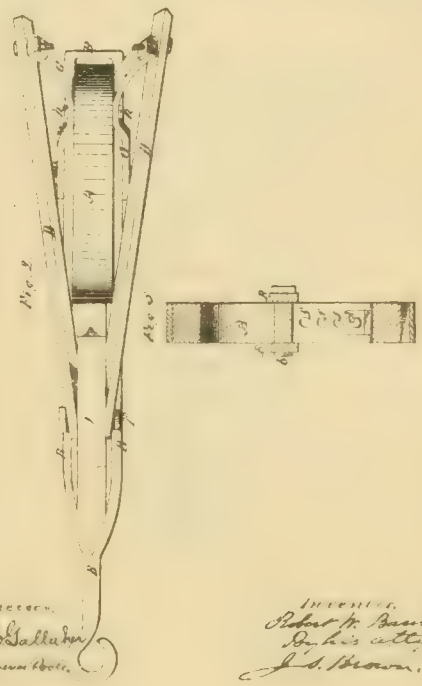
Inventor.
Robert W. Banks,
By his atty.
J. S. Brown.

2 Sheets--Sheet 2.

R. W. BANKS.

Plows.

No. 154,315. Patented Aug. 25, 1874.



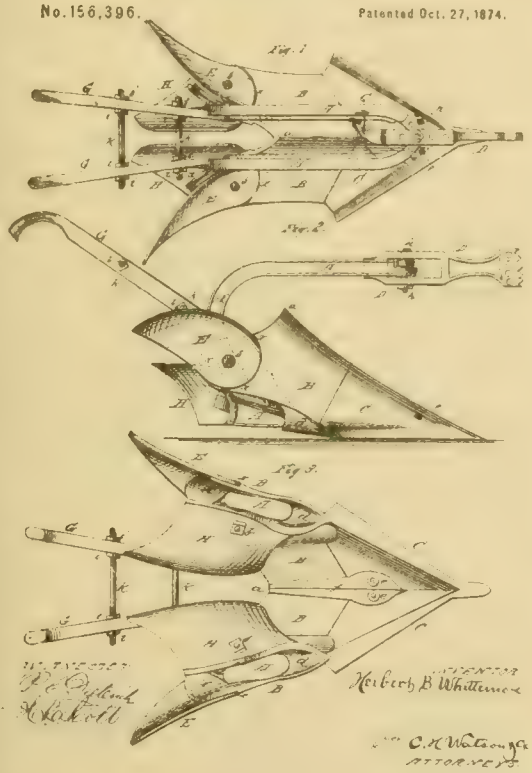
Witnesses.
E. McCallahan
C. Clarence Poole.

Inventor.
Robert W. Banks
By his atty.
J. S. Brown.

H. B. WHITTEMORE.

Plows.

No. 156,396. Patented Oct. 27, 1874.



Witnesses:
P. C. Dyllock
H. Lockett

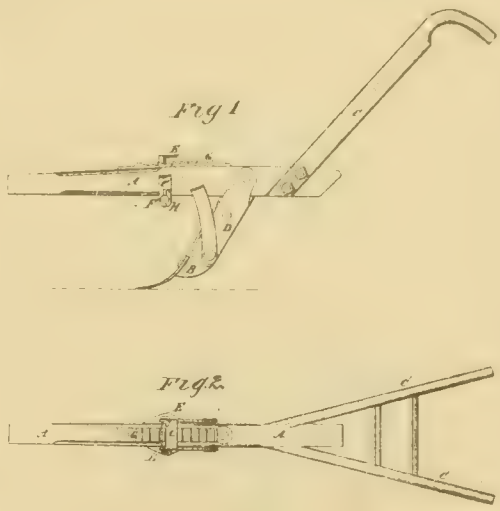
Inventor
Herbert B. Whittemore

Per C. H. Watson
Attorney.

A. IHRINGER.

Plows.

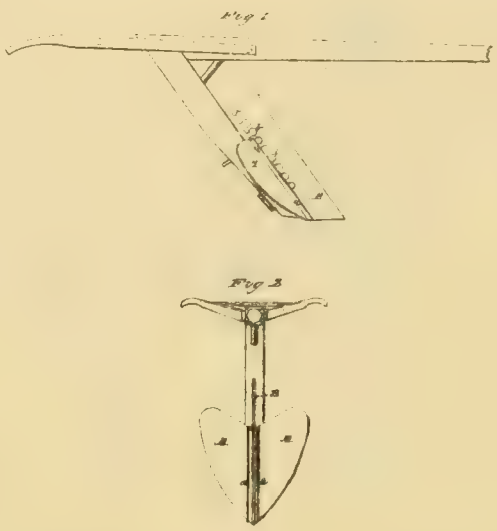
No 157,006. Patented Nov. 17, 1874.



WITNESSES:
G. Mathias
John O. Seeman

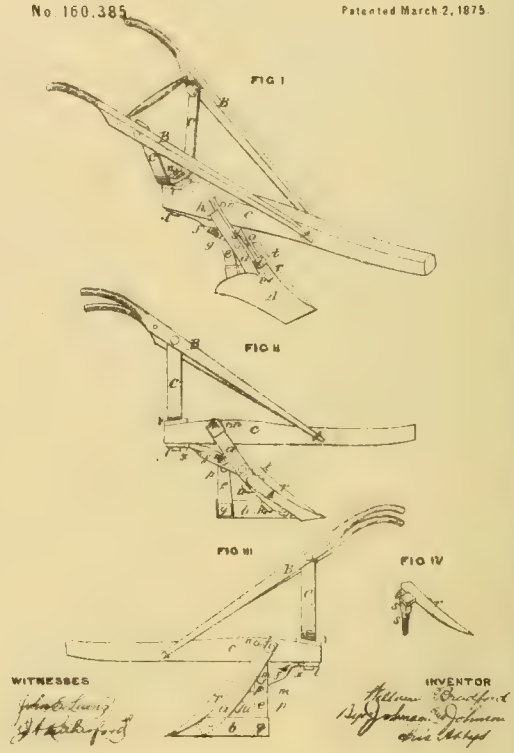
INVENTOR:
Aurel Ihringer
BY
Munn & Co.
ATTORNEYS.

J. R. GLOVER.
Shovel-Plows.
No. 157,681. Patented Dec. 15, 1874.



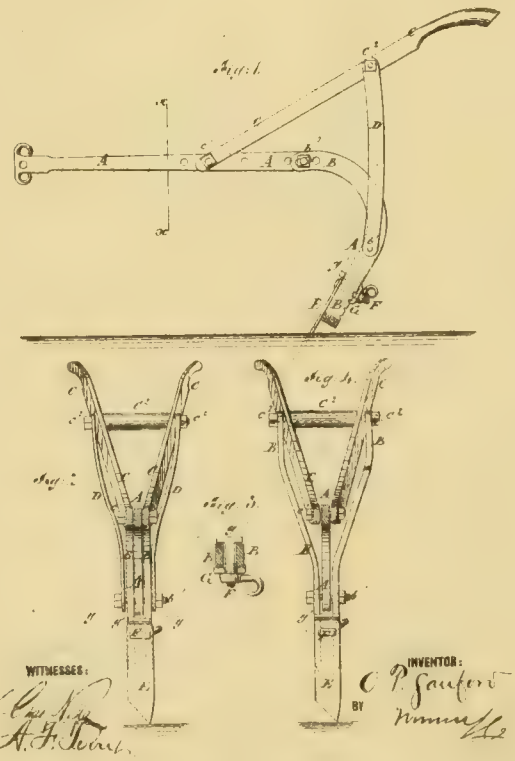
Witnesses
Inventor.
James R. Glover

W. BRADFORD.
Plow.
No. 160,385. Patented March 2, 1875.



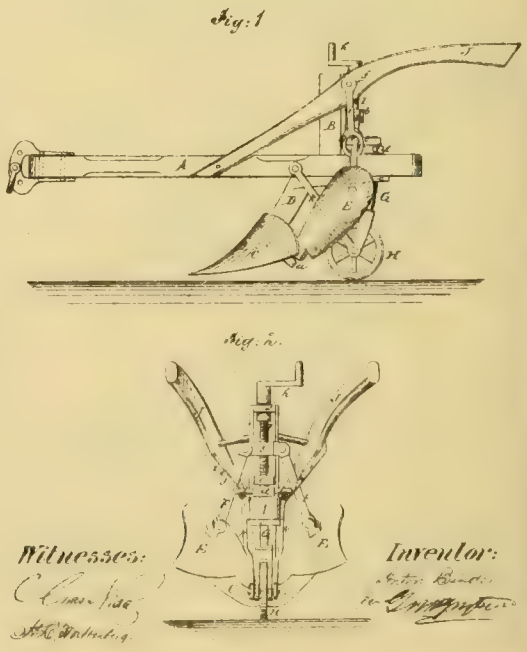
WITNESSES
INVENTOR

O. P. SANFORD.
Plow.
No. 165,877. Patented July 20, 1875



WITNESSES:
INVENTOR:
O. P. Sanford
BY

A. BINDER.
Corn-Plows
No. 166,333. Patented Aug. 3, 1875.

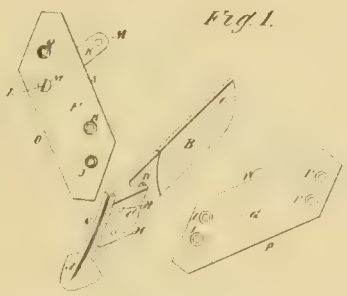


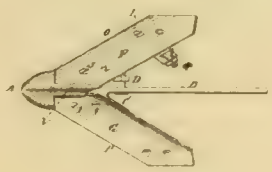
Witnesses:
Inventor:

M. CALL

Cotton-Sweep.

No. 167,494. Patented Sept. 7, 1875





WITNESSES:

INVENTOR:

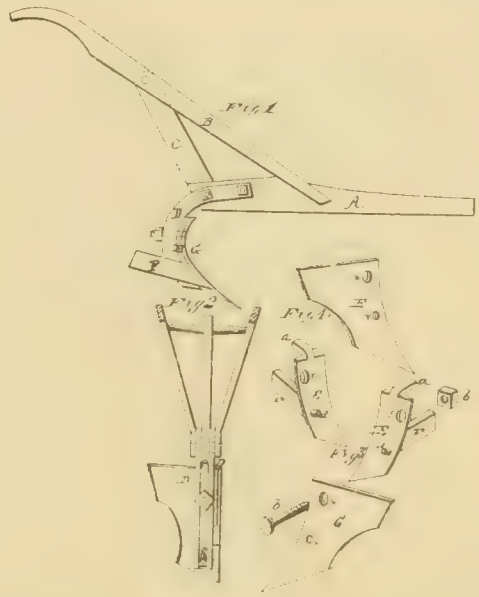
BY

ATTORNEYS.

J. SEWELL.

PLOW

No. 171,435. Patented Dec. 21, 1875.



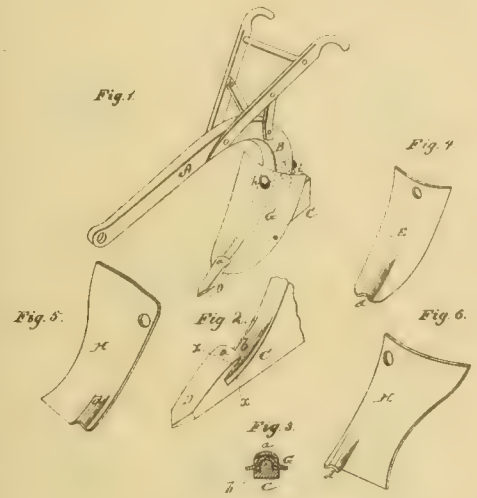
WITNESSES

INVENTOR

W. A. JENNINGS.

PLOW.

No. 173,014. Patented Feb. 1. 1876



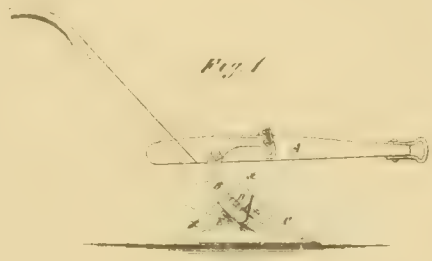
WITNESSES

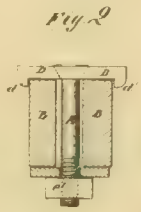
INVENTOR

J. G. BLOUNT & E. HAIMAN.

PLOW-SHOULDER.

No. 174,185. Patented Feb. 29, 1876

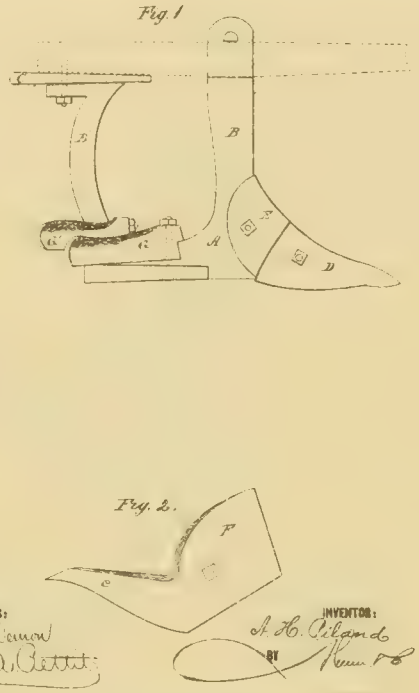




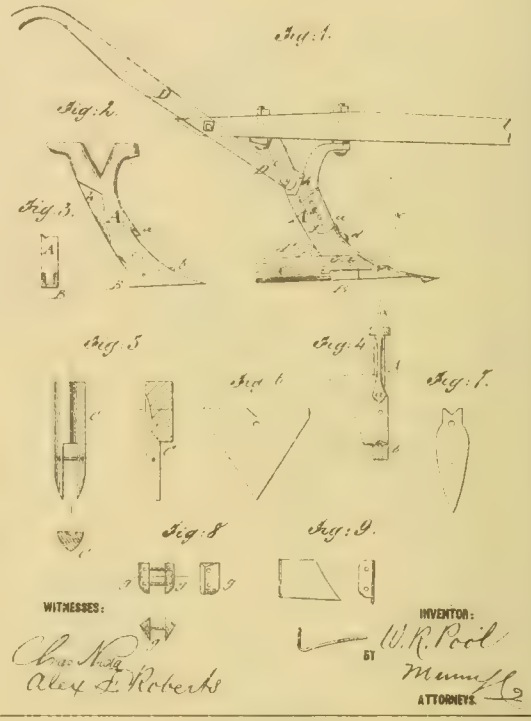
WITNESSES:

INVENTORS.

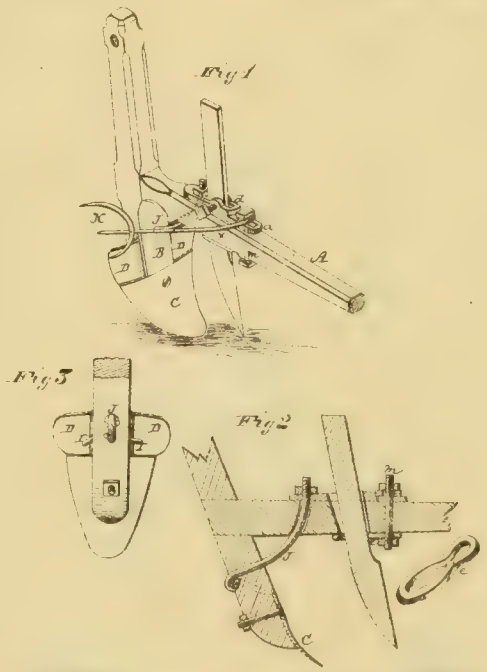
A. H. PILAND.
PLOW.
No. 174,293. Patented Feb. 29, 1876.



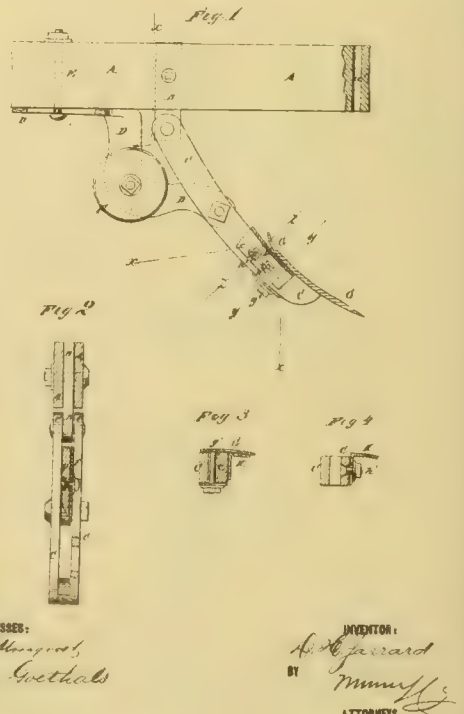
W. R. POOL.
PLOW.
No. 174,295. Patented Feb. 29, 1876.



A. E. JESTER.
PLOW.
No. 176,138 Patented April 19, 1876.



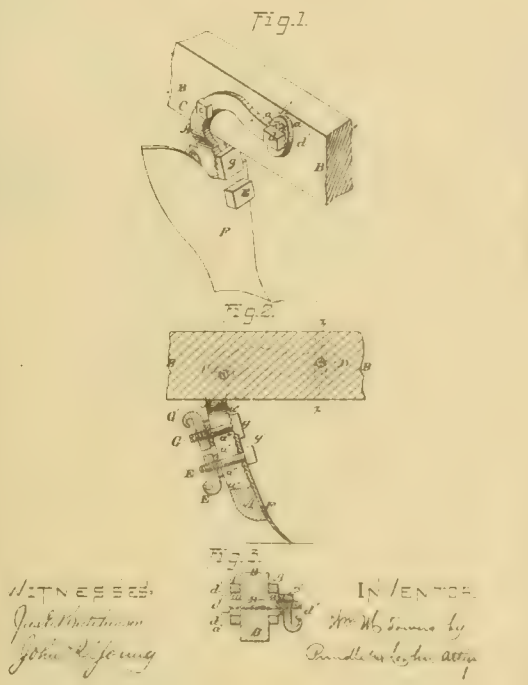
D. H. JARRARD.
PLOW.
No. 177,520 Patented May 16, 1876.



W. M. TOWERS.

PLOW-FEET.

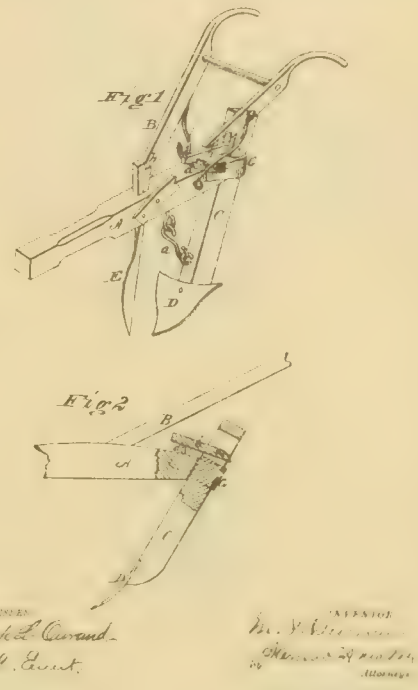
No. 178,815. Patented June 13, 1876.



M. SCHLESSMAN.

SHOVEL-PLOW

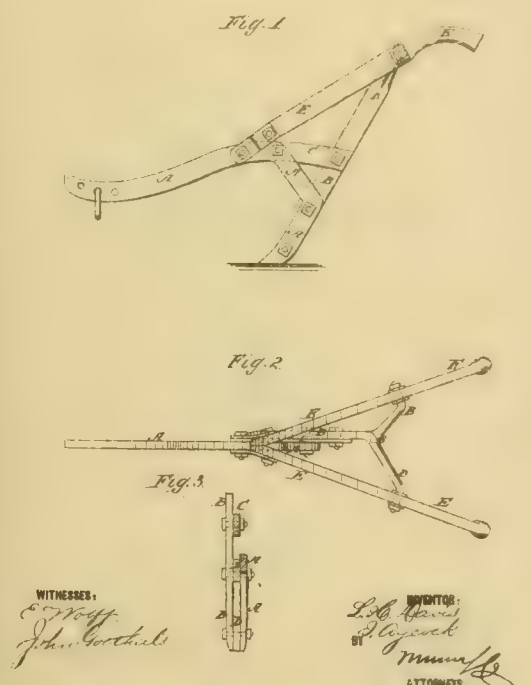
No. 179,065. Patented June 20, 1876.



L. H. DAVIS & I. AYCOCK.

PLOW STOCKS.

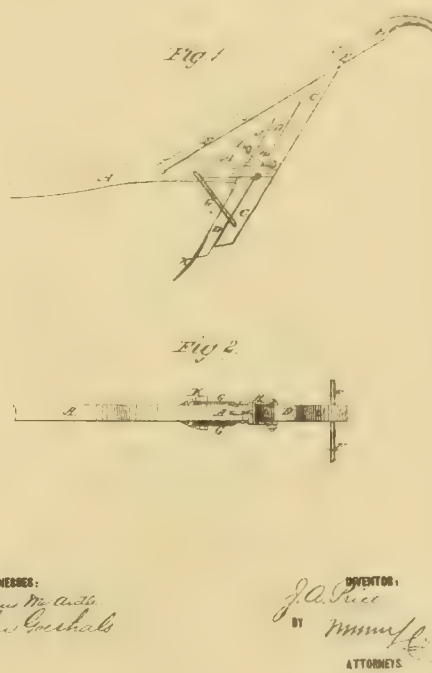
No. 180,656. Patented Aug. 1, 1876



J. A. PRICE.

PLOW-STOCK

No. 181,102. Patented Aug. 16, 1876.



A. SCHUETZ.

PLOW.

No. 182,862. Patented Oct. 3, 1876.

Fig. 1

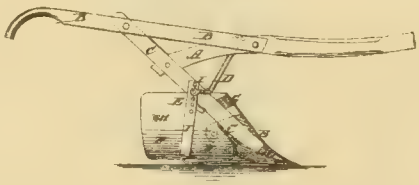


Fig. 2

WITNESSES:

INVENTOR:

A. Schuetz

BY

G. W. PARISH.

PLOW.

No. 184,557. Patented Nov. 21, 1876.

Fig. 1.

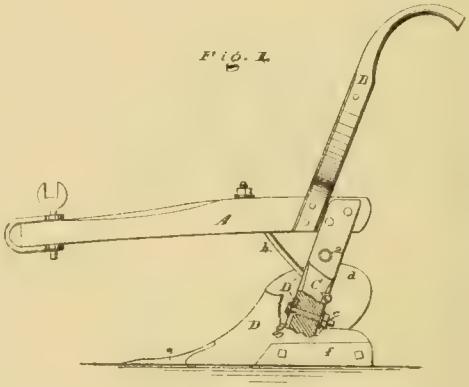
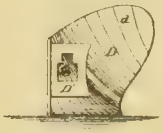


Fig. 2.



WITNESSES:

INVENTOR:

G. W. Parish

BY

ATTORNEYS.

T. M. MOORE.

PLOW.

No. 186,601. Patented Jan. 23, 1877.

Fig. 1.

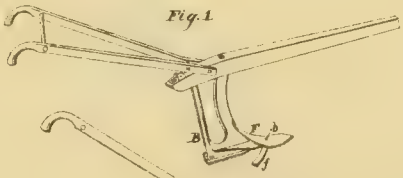


Fig. 2.

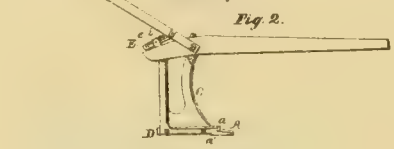
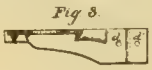


Fig 3.



Witnesses:

Inventor:

T. M. Moore

T. H. C. DOW.

SHOVEL-PLOW.

No. 186,993 Patented Feb. 6, 1877.

Fig. 1.

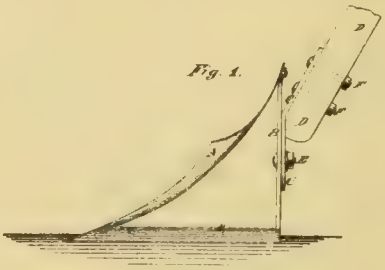
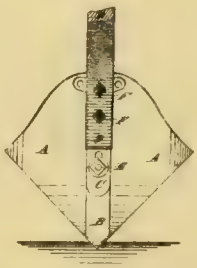


Fig. 2.

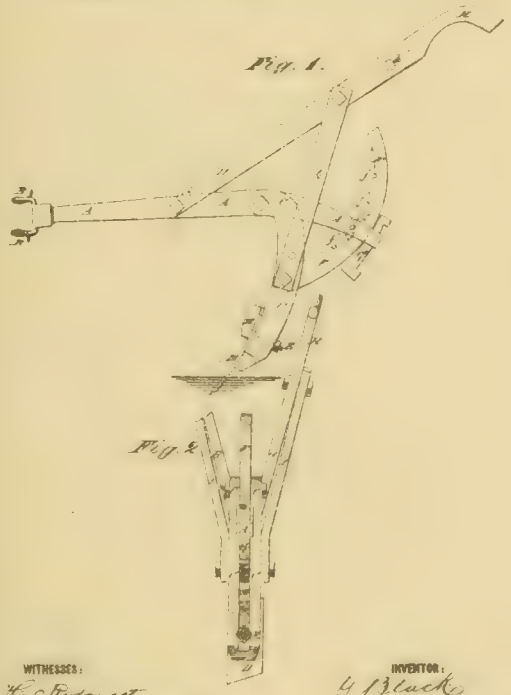


WITNESSES:

INVENTOR:

BY

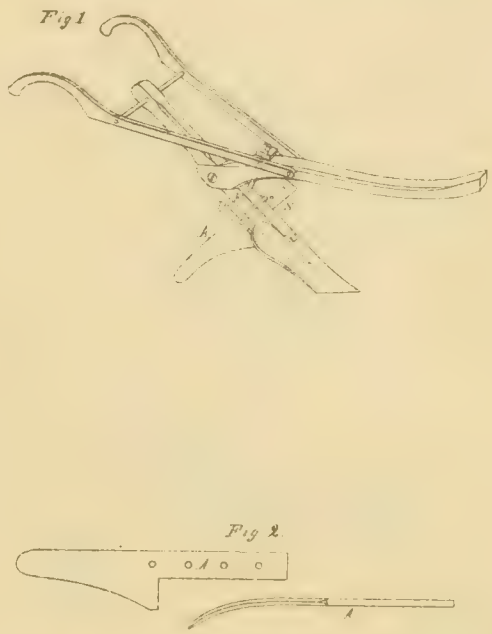
G. BLACK.
PLOW.
No 187,249. Patented Feb. 13, 1877.



WITNESSES:
C. Sydgwick
H. H. Scarborough

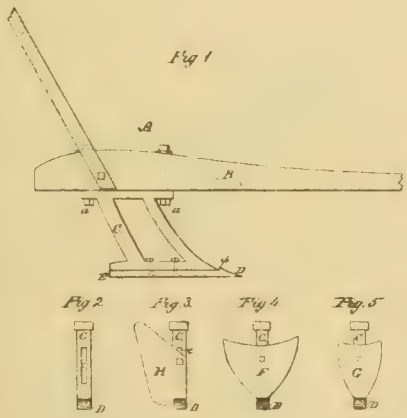
INVENTOR:
G. Black
BY Munn & Co
ATTORNEYS.

T. E. KERSH.
PLOW
No 187,763. Patented Feb. 27, 1877.



WITNESSES
William Anderson
Thomas Tyler Kersh INVENTOR
By Paine & Grafton
ATTORNEYS

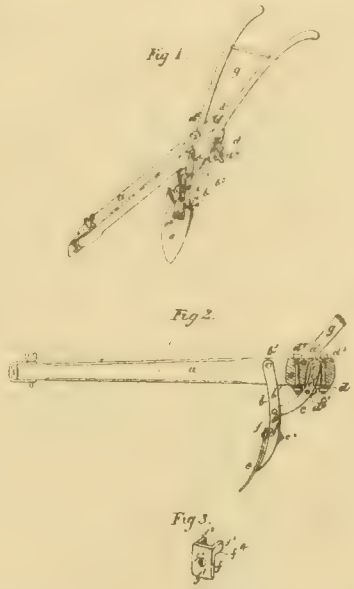
E. D. FRENCH.
PLOW
No 188,506. Patented March 20, 1877.



WITNESSES:
Colon Kenon
A. W. Hart

INVENTOR:
E. D. French
BY Munn & Co
ATTORNEYS.

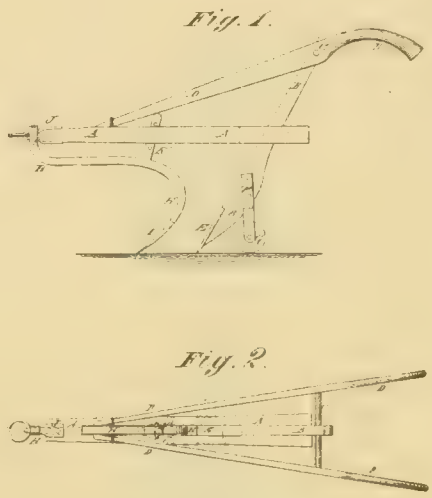
A. B. FARQUHAR.
PLOW.
No 188,732. Patented March 27, 1877



Witnesses.
B. G. Pole
P. B. Simpson

Inventor
Arthur B Farquhar
By R. H. & H. Lowry att'ys

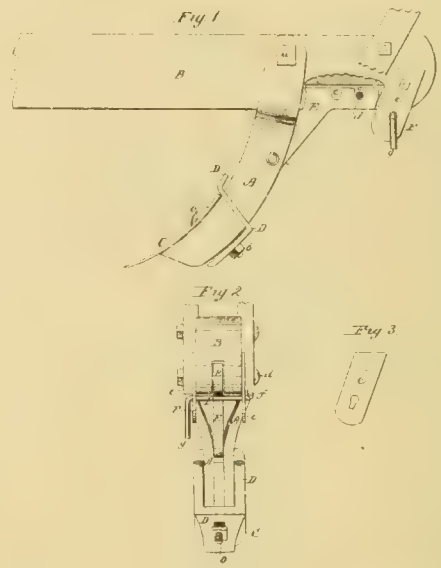
J. PRESTON.
PLOW
No. 189,136. Patented April 3, 1877.



WITNESSES:
H. Hylquist
J. H. Scarborough

INVENTOR:
J. Preston
BY
Munn & Co.
ATTORNEYS.

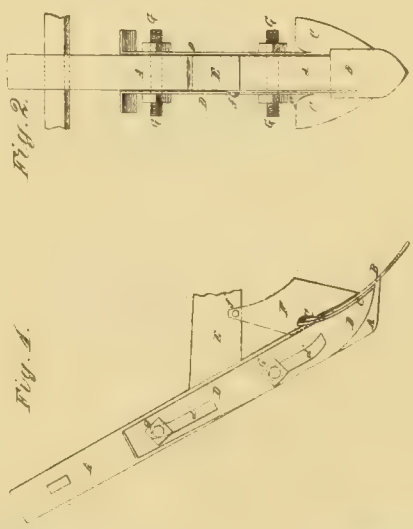
D. P. FERGUSON.
PLOW.
No. 189,443. Patented April 10, 1877.



WITNESSES:
W. W. Kitchingman
Geo. E. Kenon

INVENTOR:
D. P. Ferguson
BY
Munn & Co.
ATTORNEYS.

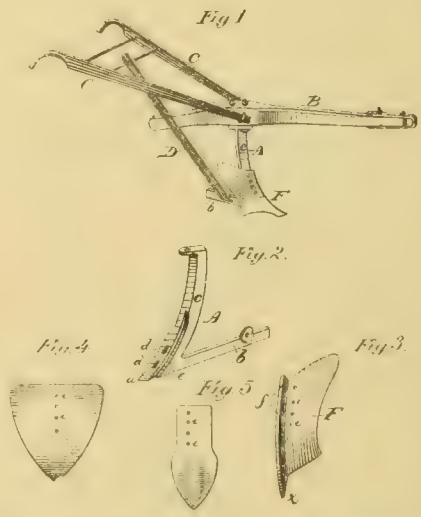
J. F. & R. I. WILSON.
PLOW
No. 189,951. Patented April 24, 1877.



WITNESSES:
H. Hylquist
J. H. Scarborough

INVENTORS:
J. F. Wilson
BY R. I. Wilson
Munn & Co.
ATTORNEYS.

M. M. BEARD & G. W. PURCELL.
PLOW.
No. 190,538. Patented May 5, 1877.

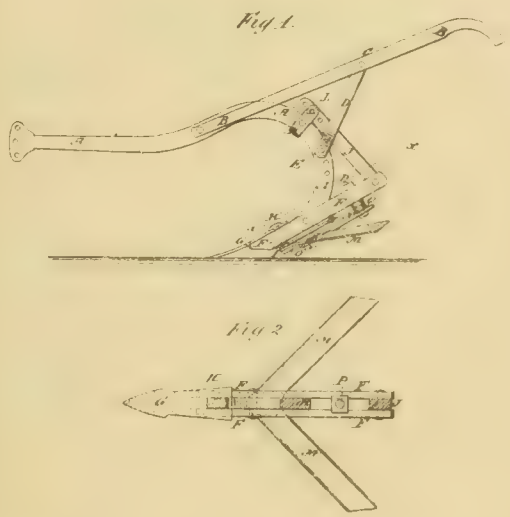


Attest:
C. A. Snow
Jno. P. Brooks.

Inventors:
Nathan M. Beard
George W. Purcell
by Louis Bagger & Co.
atty.

J. S. & R. BOWLING.
PLOW-STOCKS AND SWEEPS.

No. 194,407 Patented Aug. 21, 1877.

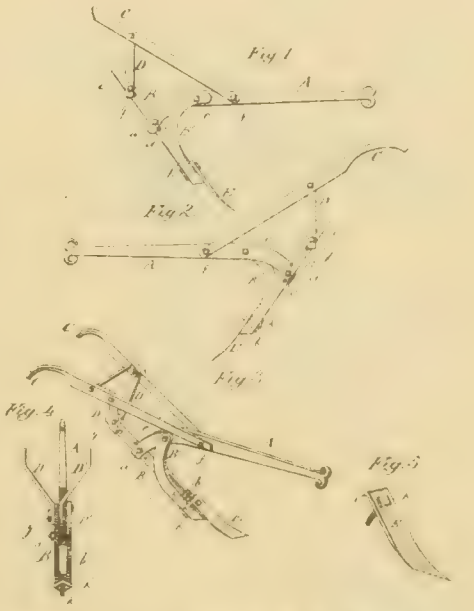


WITNESSES:
E. Wolff
J. H. Fedderaugh

INVENTORS
J. S. Bowling
R. Bowling
BY Munn & Co.
ATTORNEYS

J. R. CALDWELL & J. W. HERREN.
PLOWS.

No. 194,891. Patented Sept. 4, 1877.

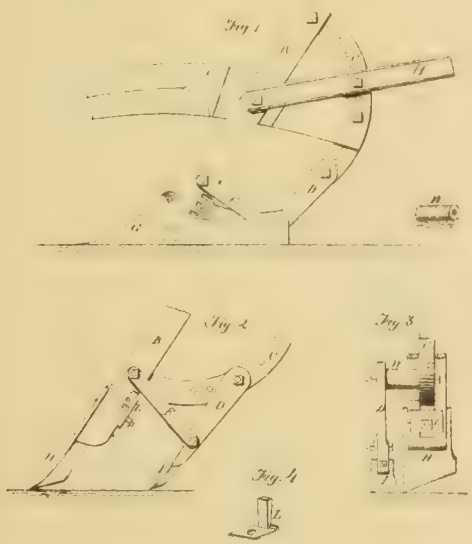


WITNESSES:
Jno. H. Brooks
M. S. Dittner

INVENTOR
John R. Caldwell
Jas. W. Herren
by Louis Bagger & Co.
ATTORNEYS

J. C. FERGUSON
PLOW

No. 195,811. Patented Oct. 2, 1877.

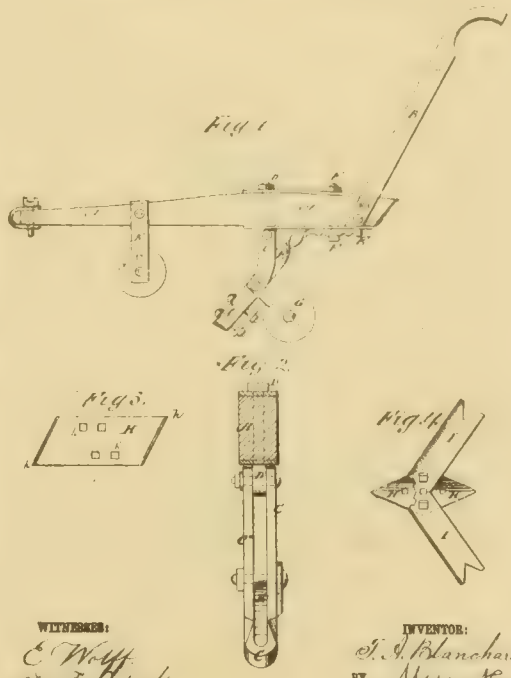


Witnesses
Grenville Lewis
B. McKenney

Inventor
James C. Ferguson
by Geo. C. Fairbanks
Attorney

T. A. BLANCHARD.
Plow

No. 196,184. Patented Oct. 16, 1877.

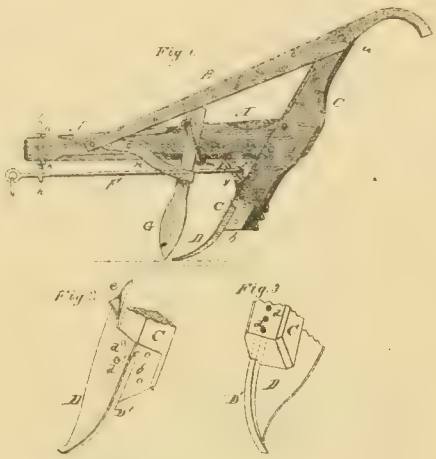


WITNESSES:
E. Wolff
Alex. F. Roberts

INVENTOR:
T. A. Blanchard
BY Munn & Co.
ATTORNEYS.

J & M. RICH.
Plow

No. 196,934 Patented Nov 6, 1877.

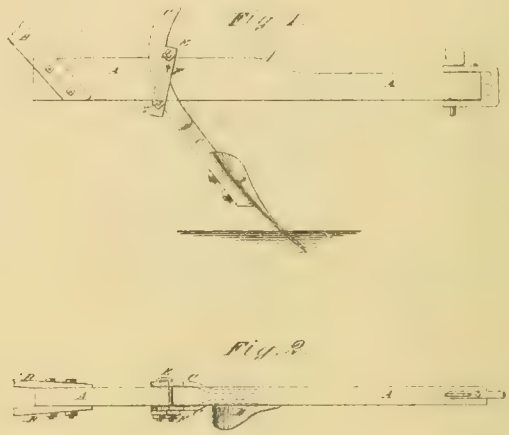


WITNESSES
Henry K. Minis
F. W. Kilgett

INVENTORS
Jason Rich
and
Moses Rich.
Munson & Munson
ATTORNEYS

J. M. BASSETT.
Plow.

No. 197,006. Patented Nov. 13, 1877.

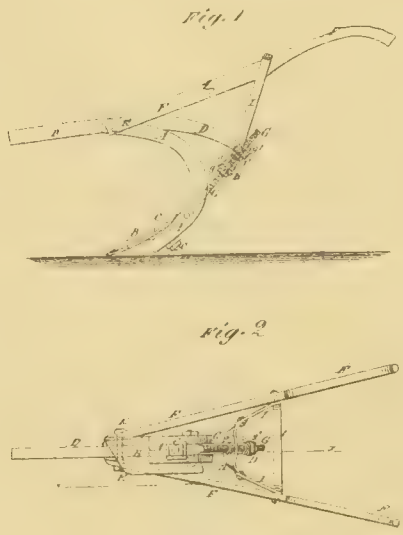


WITNESSES:
H. Wightman
J. H. Scarborough.

INVENTOR:
J. M. Bassett
BY Munson & Co.
ATTORNEYS.

A. NEWSOM.
Plow.

No. 199,736. Patented Jan. 29, 1878.

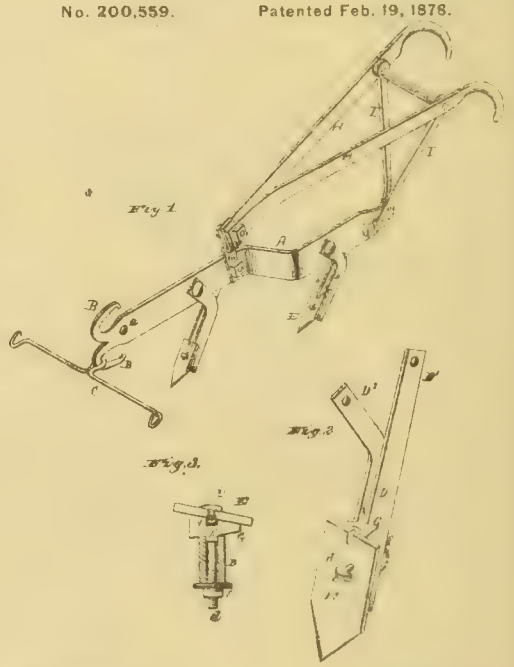


WITNESSES:
C. Evans
E. Edgerton

INVENTOR:
A. Newsom
BY Munson & Co.
ATTORNEYS.

W. S. MOON.
Plow.

No. 200,559. Patented Feb. 19, 1878.

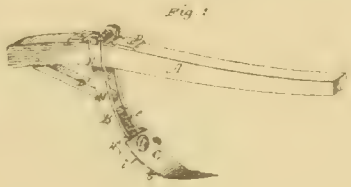


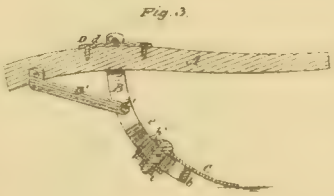
WITNESSES
Frank L. Durand
H. Aubrey Fitchner

INVENTOR
W. S. Moon
Munson & Munson
ATTORNEYS

T. W. BOYLE.
Shovel-Plow.

No. 200,819. Patented March 5, 1878.





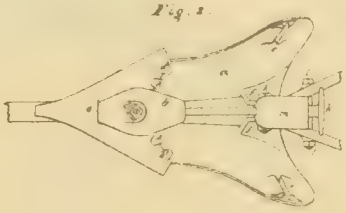
Witnesses
J. J. Mason
D. T. Powl

Inventor
Thaddeus Walton Boyle
by E. E. Muston
Atty

2 Sheets—Sheet 1

G. A. De LONG.
Hilling-Plow.

No. 201,099. Patented March 12, 1878.



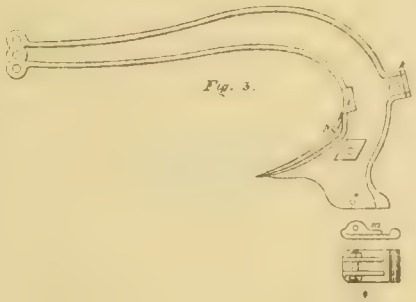
Witnesses
Fred. Howard
A. Muston

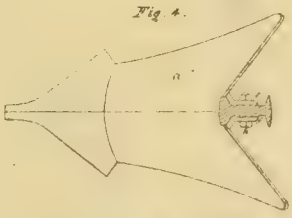
Inventor
George A. De Long
by E. E. Muston
Atty

2 Sheets—Sheet 2

G. A. De LONG.
Hilling-Plow.

No. 201,099. Patented March 12, 1878.



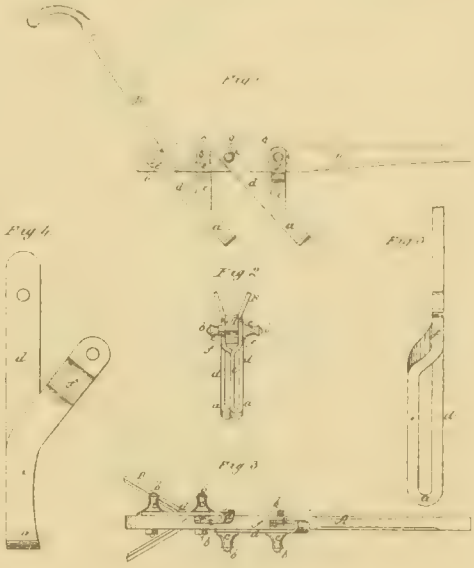


Witnesses:
Fred. Howard
A. Muston

Inventor
George A. De Long
by E. E. Muston
Atty

E. J. CAMP.
Plow.

No. 201,225. Patented March 12, 1878.

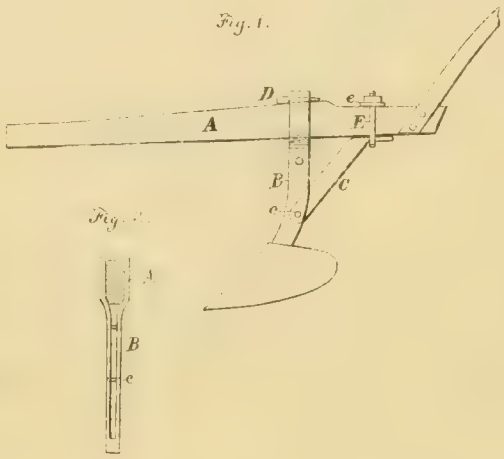


WITNESSES:
W. W. H. Mengleworth
George C. Kemon

INVENTOR:
E. J. Camp
by Munn & Co.

E. BARBER
Plow.

No. 202 090. Patented April 9, 1878.

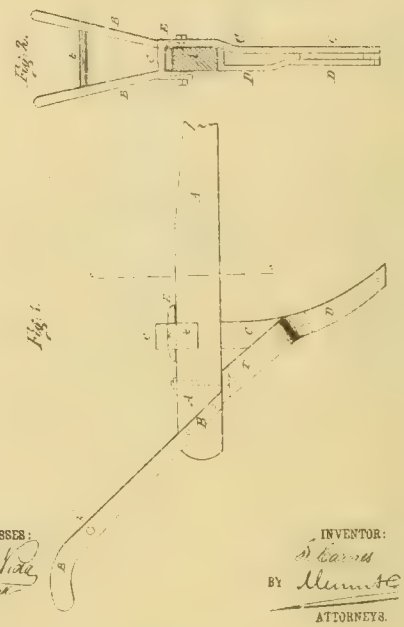


Witnesses:
John O'Donnaghue
E. H. Bradford

Inventor:
Edward Barber
By H. J. Ennis
atty

S. CARNES
Plow-Stock

No. 202,987. Patented April 30, 1878.

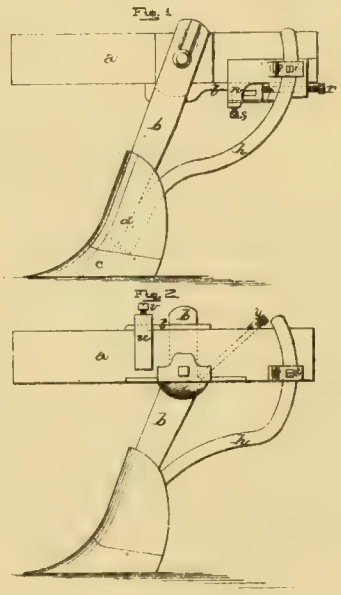


WITNESSES:
Chas. Nott
E. Bragnick

INVENTOR:
S. Carnes
BY Munn & Co
ATTORNEYS.

O. S. GANDY.
Cultivator.

No. 203,132. Patented April 30, 1878.

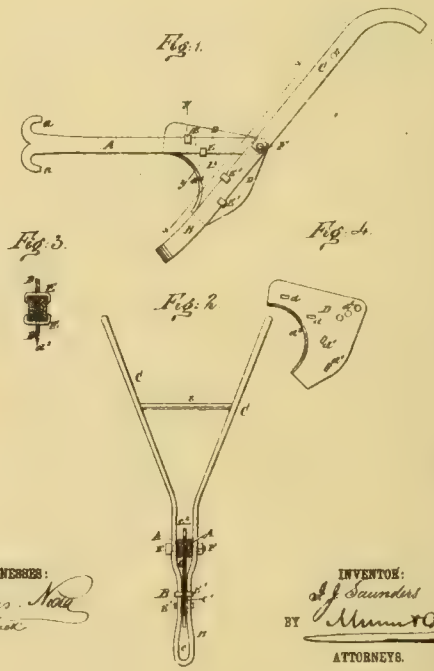


WITNESSES
J. W. Garner
W. C. H. Kern

INVENTOR.
Oliver S. Gandy
Per F. A. Lehmann
atty

I. J. SAUNDERS.
Plow-Stock.

No. 203,948. Patented May 21, 1878.

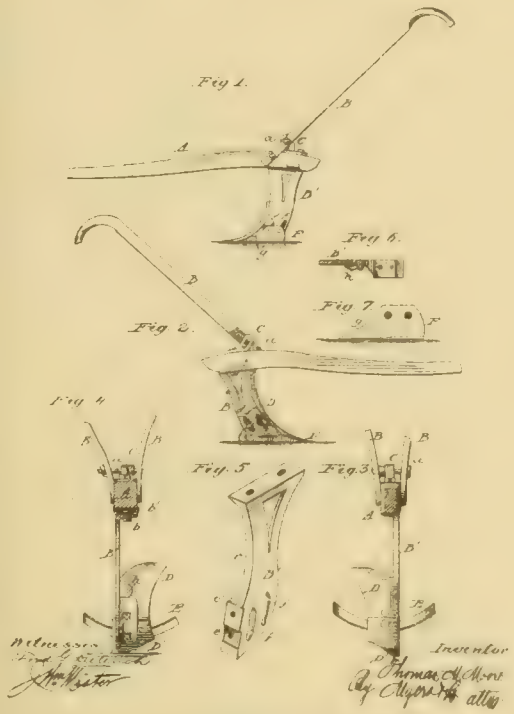


WITNESSES:
Chas. Nott
E. Bragnick

INVENTOR:
I. J. Saunders
BY Munn & Co
ATTORNEYS.

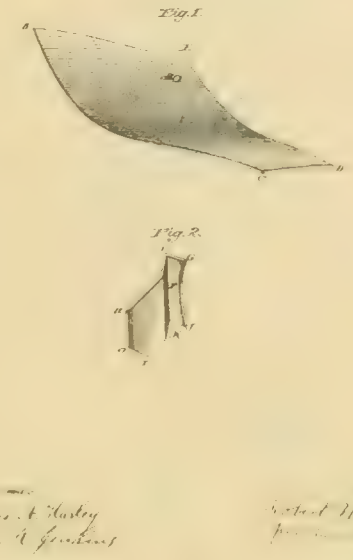
T. M. MOORE.
Plow.

No. 204,358. Patented May 28, 1878.



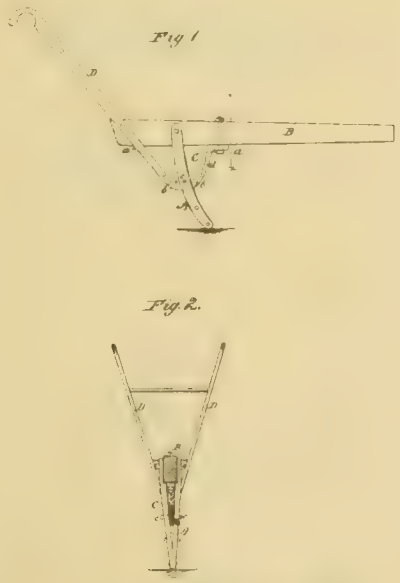
R. WIXSON.
Turning-Plow and Attachment.

No. 205,164. Patented June 18, 1878.



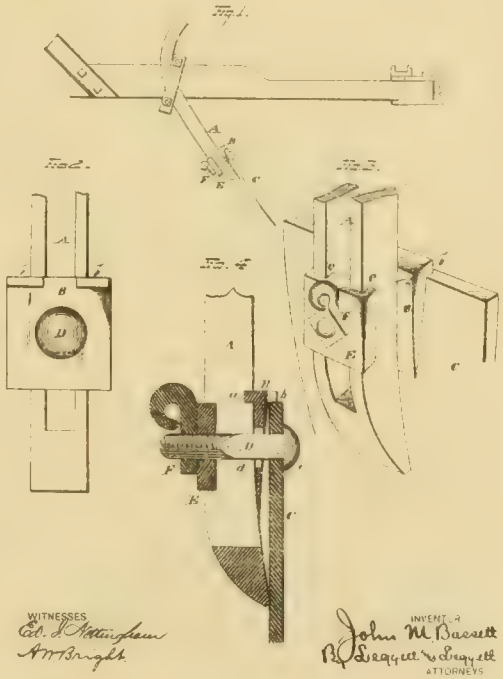
R. W. WORKMAN.
Plow.

No. 205,458. Patented June 25, 1878.



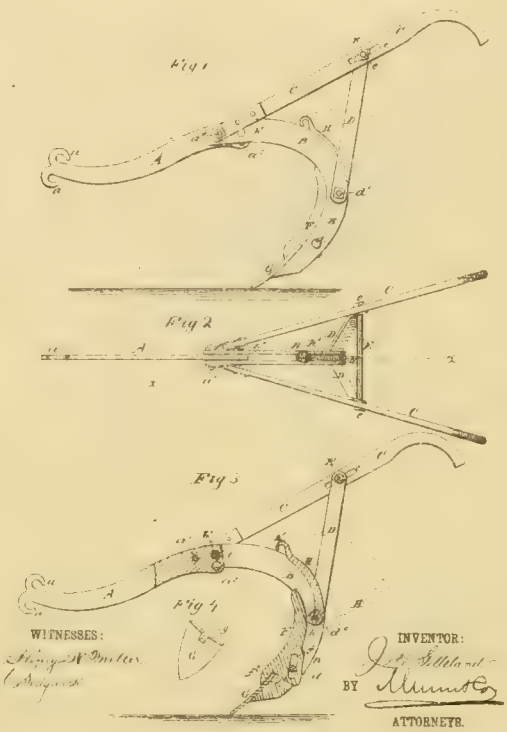
J. M. BASSETT
Plow.

No. 205,992. Patented July 16, 1878.



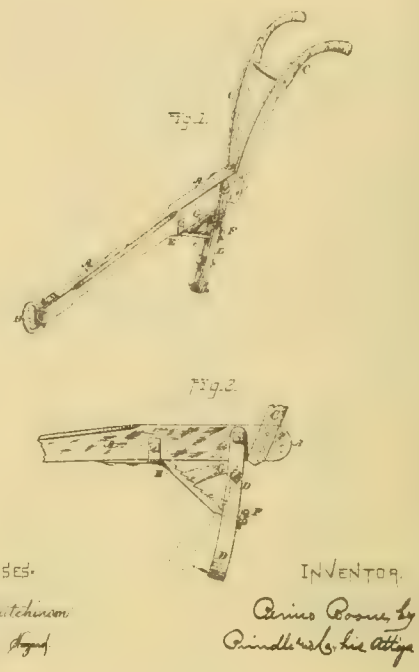
J. H. GILLELAND.
Plow.

No. 206.723. Patented Aug 6, 1878.



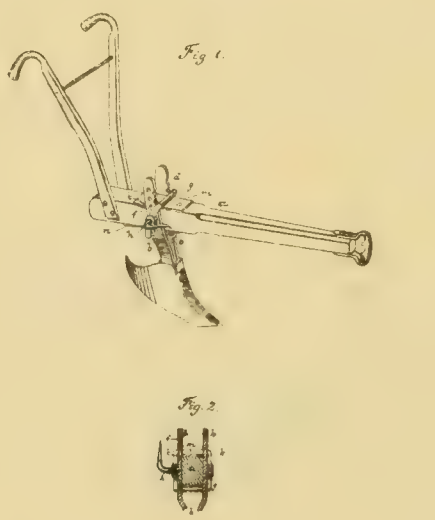
P. BOONE.
Plow-Stock.

No. 206.766. Patented Aug. 6, 1878.



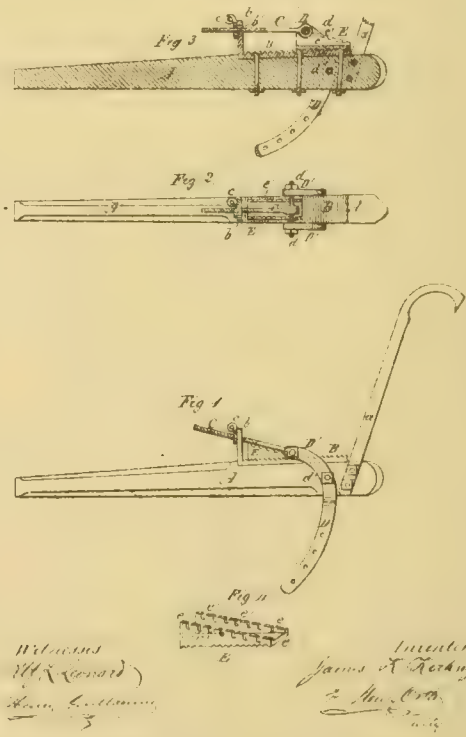
J. O. FARRELL.
Plow.

No. 207.130. Patented Aug. 20, 1878.



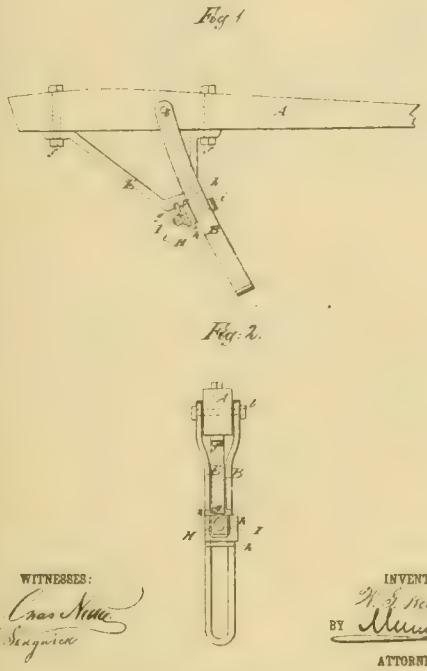
J. K. KIRKSEY
Adjustable Plow-Stock.

No. 207.530. Patented Aug. 27, 1878



W. G. REID.
Plow.

No. 207,895. Patented Sept. 10, 1878.

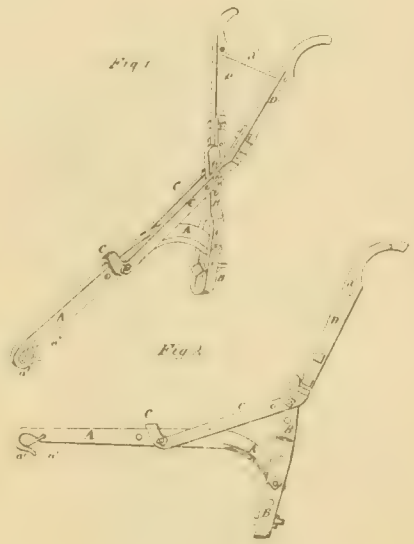


WITNESSES:
Chas Neale
C. Sengstacken

INVENTOR:
W. G. Reid
BY Munn & Co
ATTORNEYS.

C. M. CROSSLEY.
Plow-Stock.

No. 208,074. Patented Sept. 17, 1878

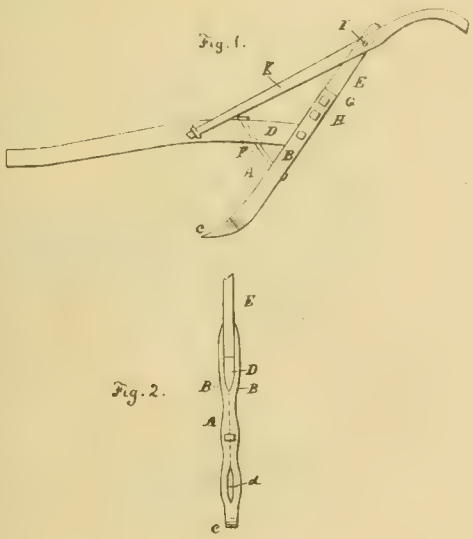


WITNESSES:
Henry S. Miller
C. Sengstacken

INVENTOR.
Chas M. Crossley
BY Munn & Co
ATTORNEYS.

V. R. DAVIS.
Plow-Stock.

No. 208,664. Patented Oct. 1, 1878.

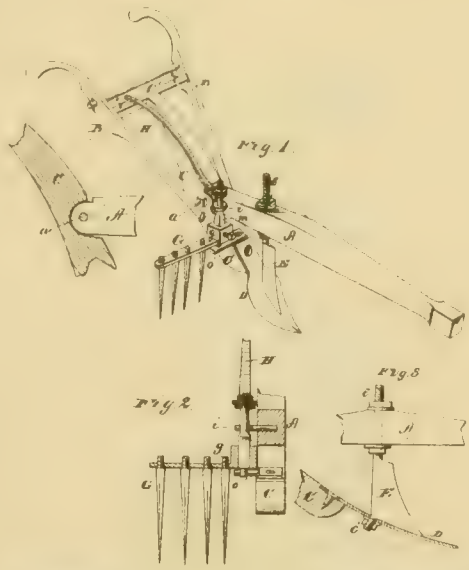


Witnesses:
Theo. Mungen
John O'Shaughnessy

Inventor.
Van R. Davis
By Henry J. Evans
his Attorney.

A. HEARTSILL
Shovel-Plow and Harrow Attachment

No. 209,043. Patented Oct. 15, 1878.

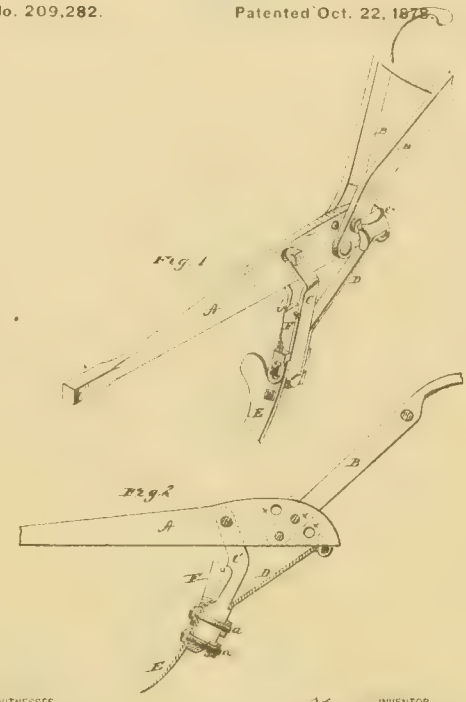


WITNESSES:
Francis L. Durand
J. J. McCarthy

INVENTOR
Abram Heartsill
BY Munn & Co
ATTORNEYS

T. F. McNAIR.
Plow

No. 209,282. Patented Oct. 22, 1878.

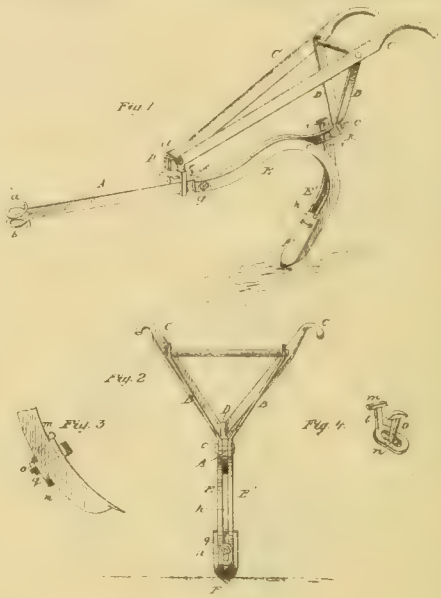


WITNESSES
L. Wurtel
J. W. Castle

INVENTOR
Thos. F. McNair
Alexander Hughes
ATTORNEYS

G. W. WIGGINS.
Plow.

No. 210,176. Patented Nov. 19, 1878.

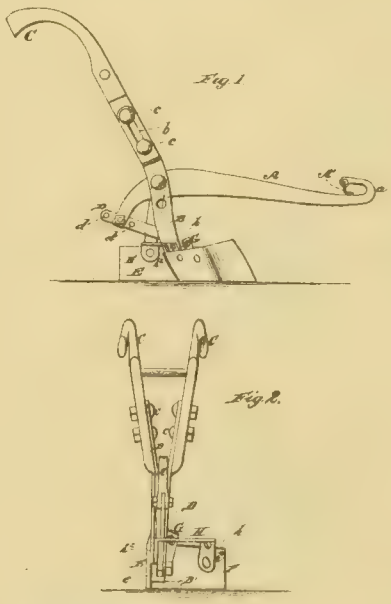


Witnesses:
Fred G. Wittich
August Hirsohn

Inventor:
Geo. W. Wiggins
by Louis Bagger & Co.

W. DICKERSON & W. H. STRAIN.
Plow.

No. 211,002 Patented Dec. 17, 1878.

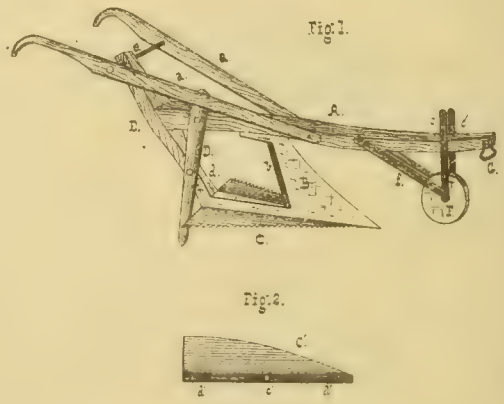


WITNESSES
Robt. Everett
W. Clay Smith

INVENTORS
Wardine Dickerson.
Wm. H. Strain.
By Johnson & Smith
ATTORNEYS

R. J. TALLEY.
Grub-Plow and Stalk-Cutter.

No. 211,433. Patented Jan. 14, 1879.

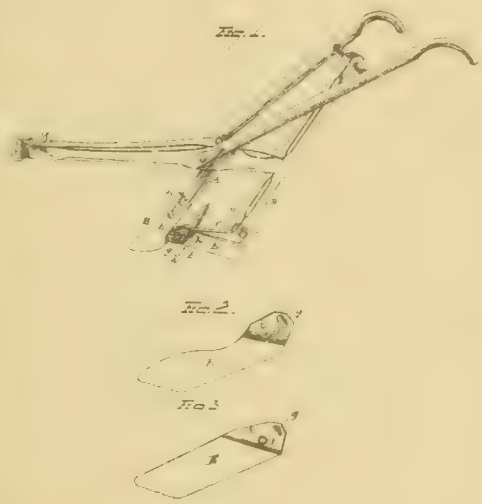


Witnesses,
W. A. Bertram
Dr. L. H. Pinckney

Inventor
R. J. Talley.
By
R. D. Williams.
Attorney.

A. L. MANNING.
Plow.

No. 211,632. Patented Jan. 28, 1879.

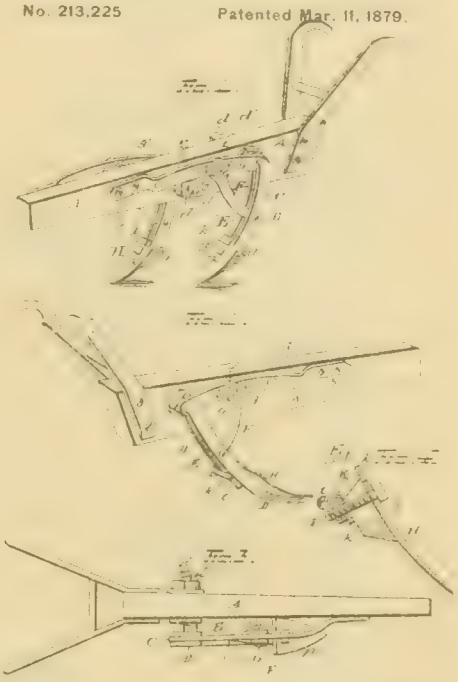


WITNESSES:
E. S. Nottingham
A. Wright

INVENTOR
A. L. Manning
By Leggett & Leggett
ATTORNEYS

G. W. McDANIEL.
Plow.

No. 213,225 Patented Mar. 11, 1879.

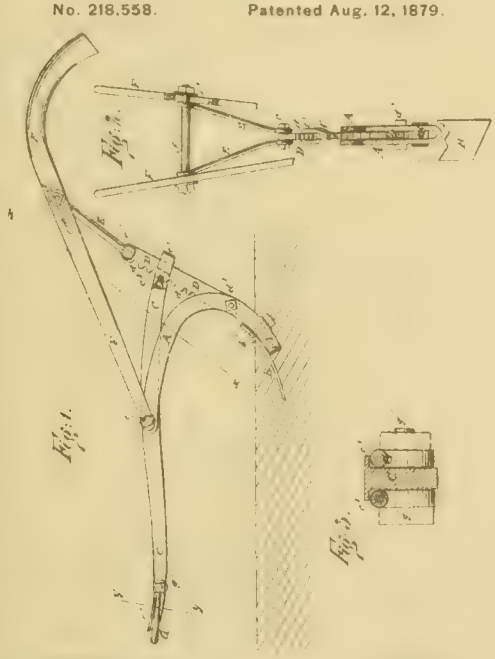


WITNESSES:
E. S. Nottingham
A. Wright

INVENTOR
Geo. W. McDaniel
By H. A. Seymour
ATTORNEY

A. NEWSOM.
Plow.

No. 218,558. Patented Aug. 12, 1879.

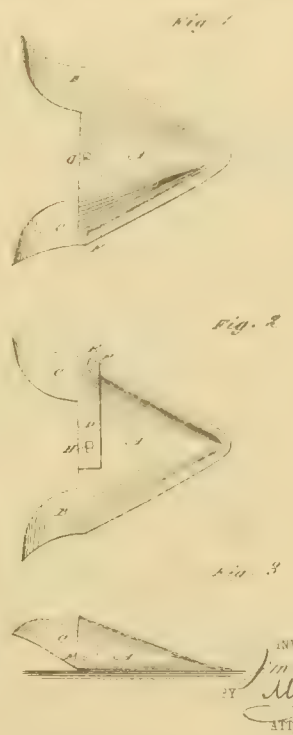


WITNESSES:
Chas. Nida
L. Dugan

INVENTOR:
A. Newsom
BY Munn & Co.
ATTORNEYS.

J. M. MARTIN, Jr.
Plow.

No. 219,748. Patented Sept. 16, 1879.

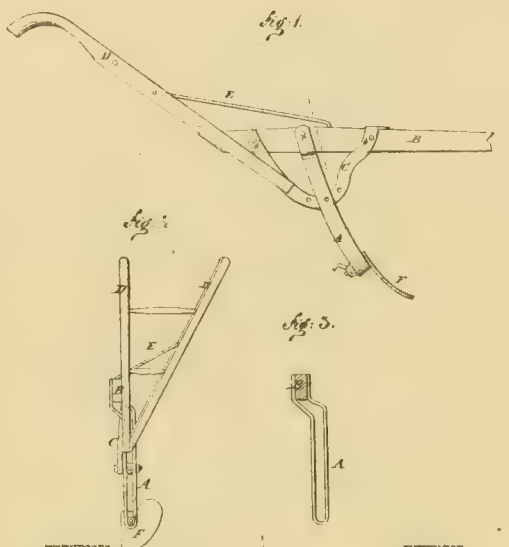


WITNESSES:
C. Nida
L. Dugan

INVENTOR:
J. M. Martin, Jr.
Munn & Co.
ATTORNEYS

C. T. CROOK & L. J. HUFFMAN.
Plow.

No. 221,528. Patented Nov. 11, 1879.

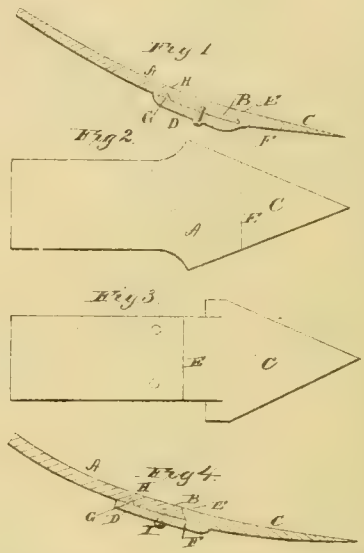


WITNESSES:
Chas. Kraa
L. Sedgwick

INVENTOR:
C. T. Crook
L. J. Huffman
BY Munn & Co.
ATTORNEYS.

H. C. BEEBE.
Shovel-Plow Point.

No. 223,309. Patented Jan. 6, 1880.

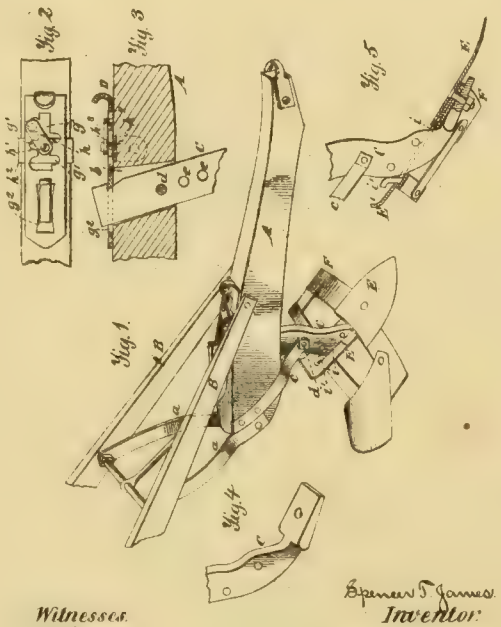


WITNESSES
A. L. Durand
E. H. Bradford

INVENTOR
H. C. Beebe
By H. Ennis
ATTORNEY

S. T. JAMES.
Cultivator.

No. 227,360. Patented May 11, 1880

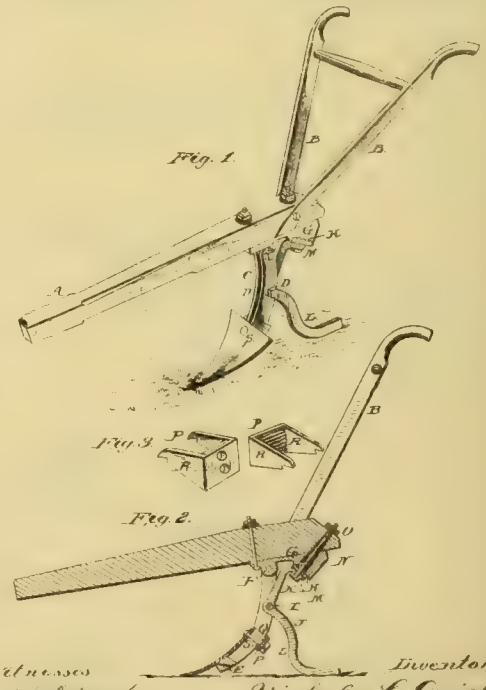


Witnesses
A. Rupprecht
Jas. H. Lange

Spencer T. James
Inventor
per Edson & Bro.
Attorneys

N. C. ORRICK.
Plow.

No. 228,835. Patented June 15, 1880.

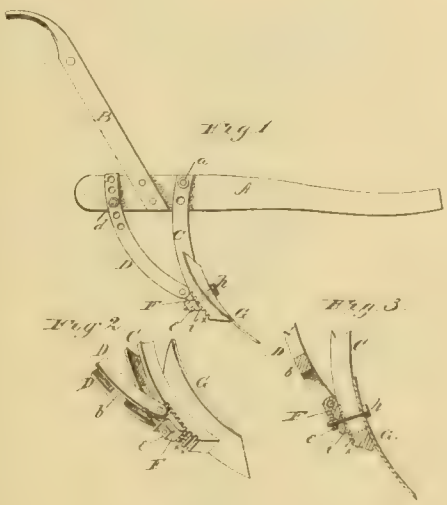


Witnesses
Ed. G. Salerick
Jno. P. Brooks

Inventor
Nicholas C. Orrick
per C. A. Snow & Co.
Attorneys

G. W. GAMMILL.
Plow.

No. 228,885. Patented June 15, 1880.



Witnesses:
Inventor

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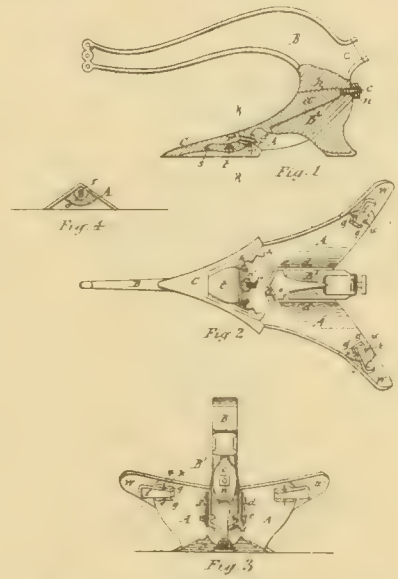
G. A. De LONG.
Plow.

No. 229,239. Patented June 29, 1880.

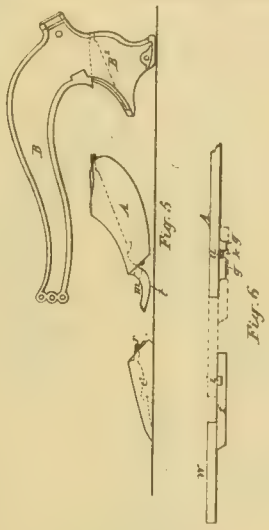


WITNESSES: INVENTOR:
E. Laass
E. Bendixen
George A. De Long
per Dwell, Laass & Hay
Attorneys

(No Model.) 2 Sheets—Sheet 2

G. A. De LONG.
Plow.

No. 229,239. Patented June 29, 1880.



WITNESSES: INVENTOR:
E. Laass
E. Bendixen
George A. De Long
per Dwell, Laass & Hay
Attorneys

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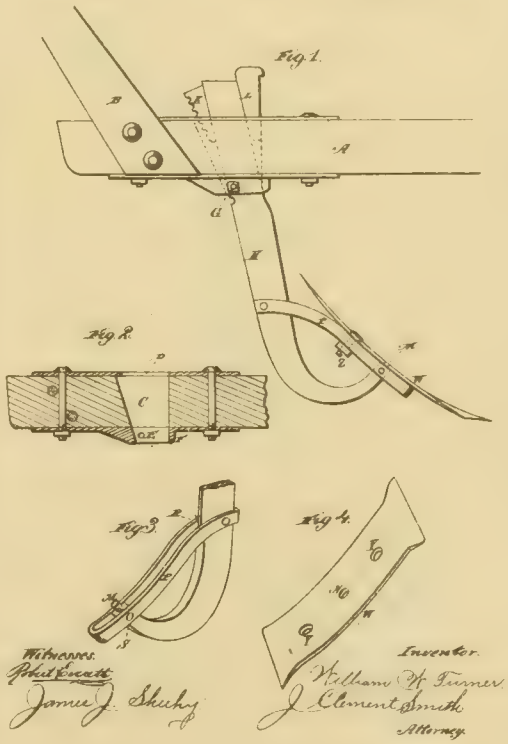
W. W. TURNER.
Plow.

No. 231,633. Patented Aug. 24, 1880.



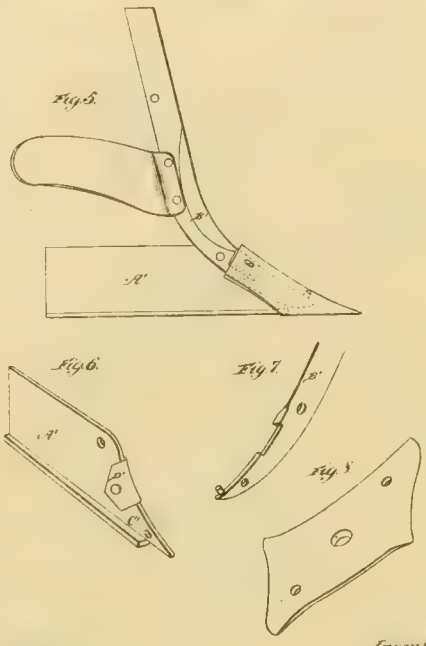
Witnesses:
Inventor.
William W. Turner
J. Clement Smith
Attorney

(No Model.) 2 Sheets—Sheet 2.

W. W. TURNER.

Plow

No. 231,633. Patented Aug. 24, 1880.



Witnesses
Robt Everett
James J. Shelby.

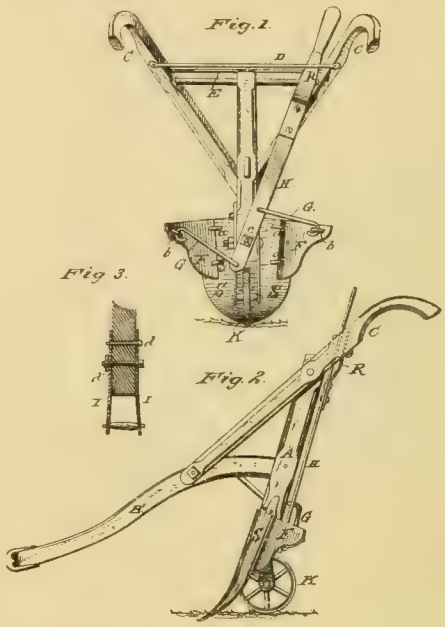
Inventor.
William H. Turner
J. Clement Smith
Attorney

(No Model.)

H. R. & D. E. BENNETT.

Plow.

No. 231,985. Patented Sept. 7, 1880.



Witnesses
Fred. G. Dutcher
W. D. Hill.

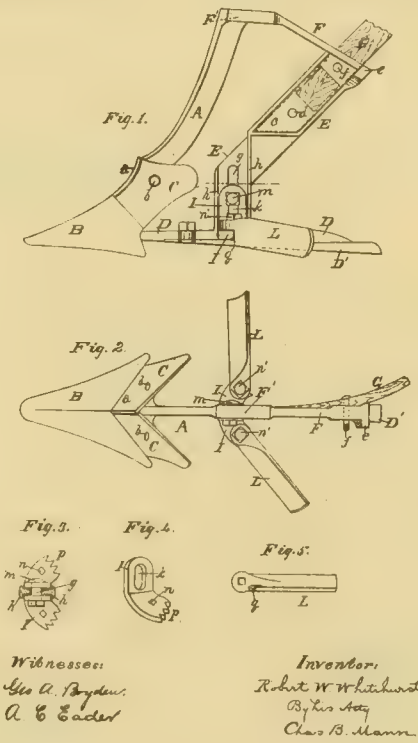
Inventors,
Hiram R. Bennett 2d,
By Daniel E. Bennett
C. A. Snow & Co. Attorneys

(No Model.)

R. W. WHITEHURST.

Cultivating Plow.

No. 236,743. Patented Jan. 18, 1881.



Witnesses:
Geo. A. Boyden.
A. C. Cadet

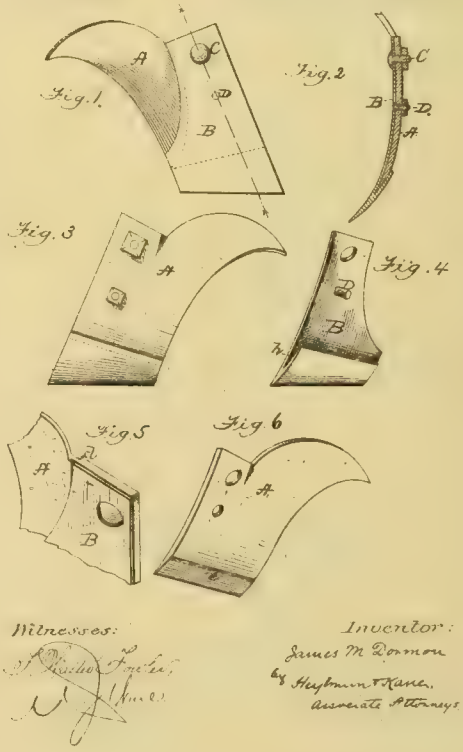
Inventor:
Robert W. Whitehurst
By his Atty
Chas. B. Mann

(No Model.)

J. M. DORMON.

Plow.

No. 240,579. Patented April 26, 1881.



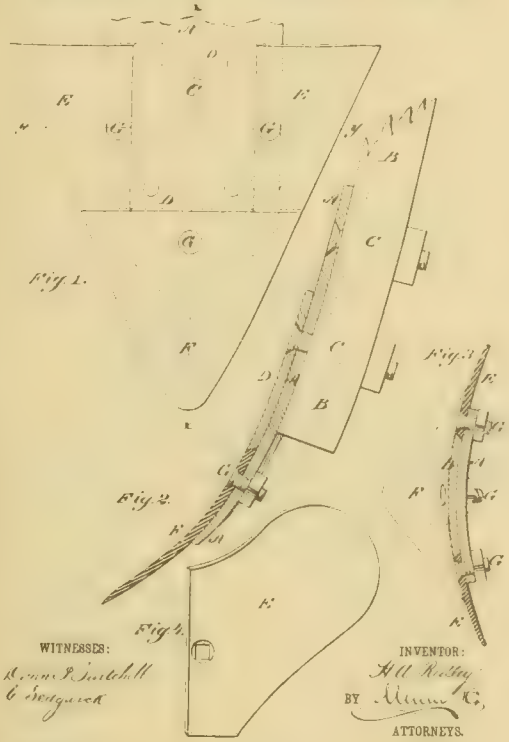
Witnesses:
A. Rushton Fowler
J. J. Kane

Inventor:
James M. Dormon
by Heydman & Kane.
Associate Attorneys.

(No Model.)

H. A. RIDLEY.
Shovel Plow Blade.

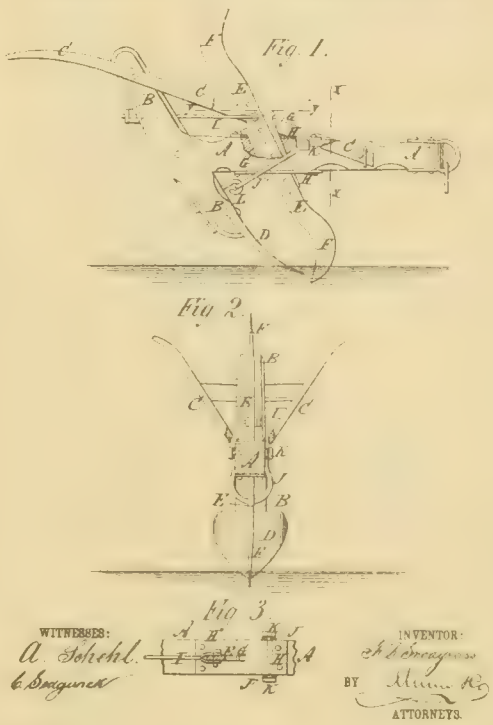
No. 240,766. Patented April 26, 1881.



(Model.)

F. B. SNODGRASS.
Root Cutting Plow.

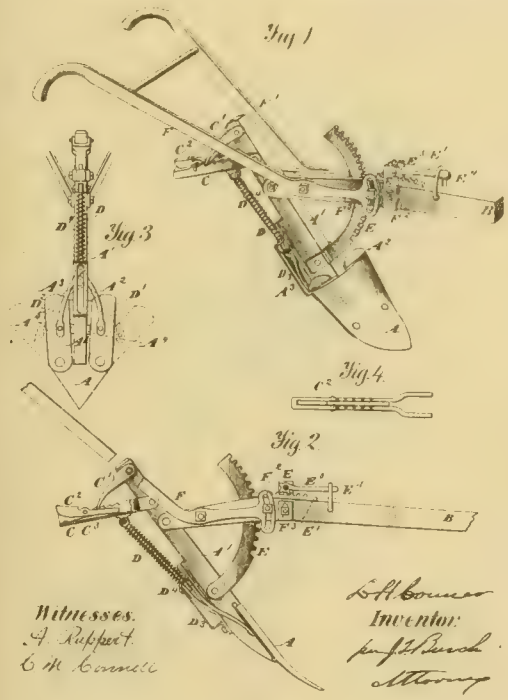
No. 242,069. Patented May 24, 1881.



(No Model.)

L. H. CONNER.
Shovel Plow.

No. 243,217 Patented June 21, 1881.



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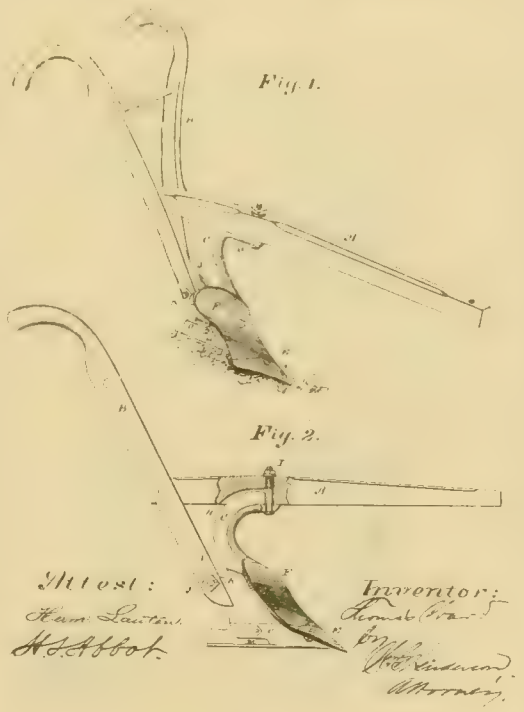
T. WARD
COMBINED PLOW, &c.

No. 244,504. Patented July 19, 1881.

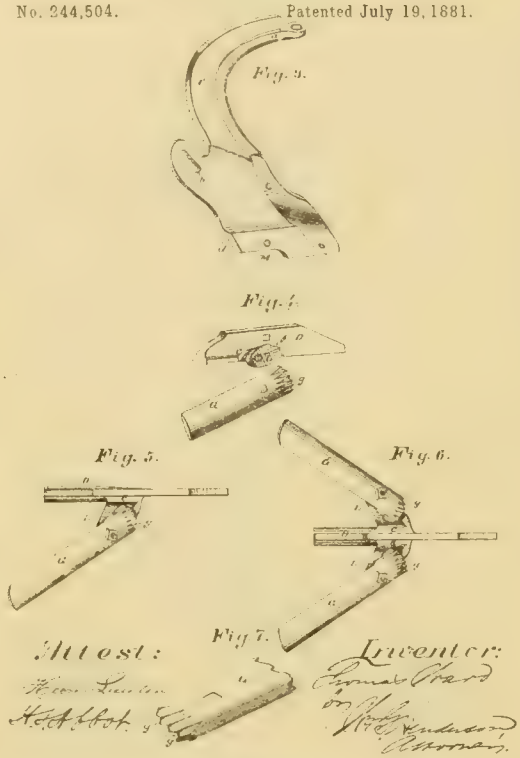


(No Model.) 2 Sheets—Sheet 2

T. WARD.

COMBINED PLOW, &c.

No. 244,504. Patented July 19, 1881.

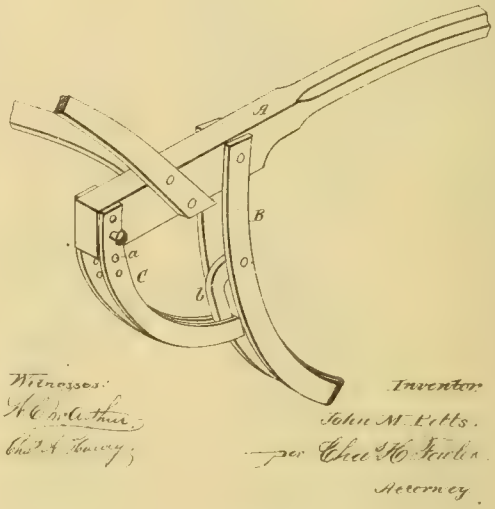


(No Model.)

J. M. PITTS.

PLOW STOCK.

No. 244,660. Patented July 19, 1881.

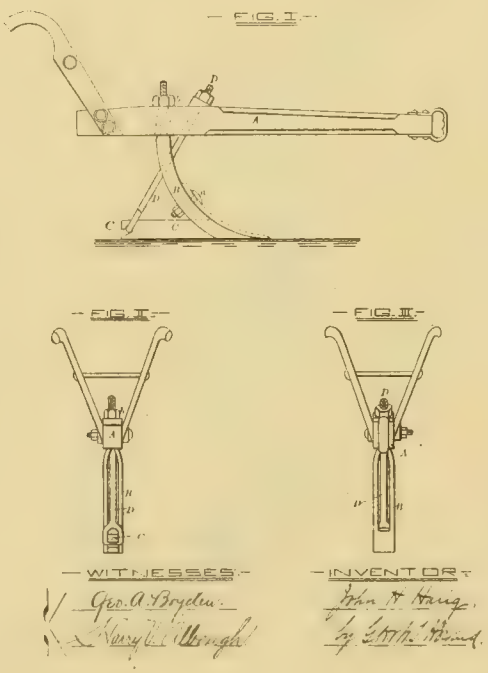


(Model.)

J. H. HARIG.

PLOW.

No. 245,716. Patented Aug. 16, 1881.

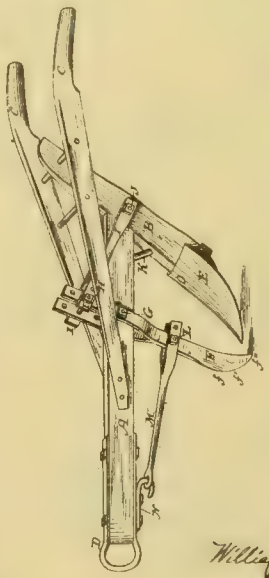


(Model.)

W. RICHARDS.

PLOW.

No. 246,416. Patented Aug. 30, 1881.

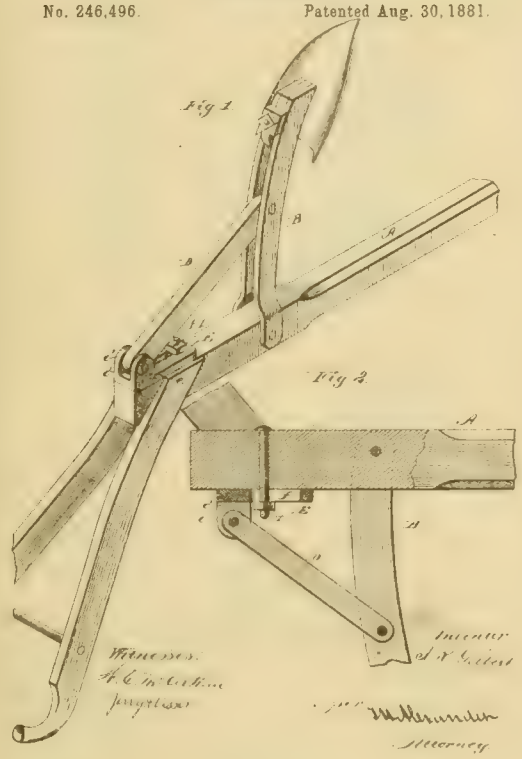


(No Model.)

I. R. GILBERT

PLOW STANDARD.

No. 246,496. Patented Aug. 30, 1881.

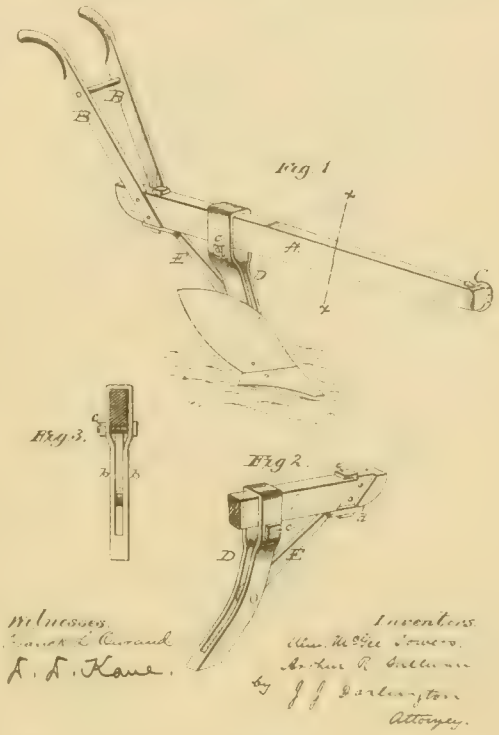


(No Model.)

W. McG. TOWERS & A. R. SULLIVAN.

PLOW.

No. 247,970. Patented Oct. 4, 1881.

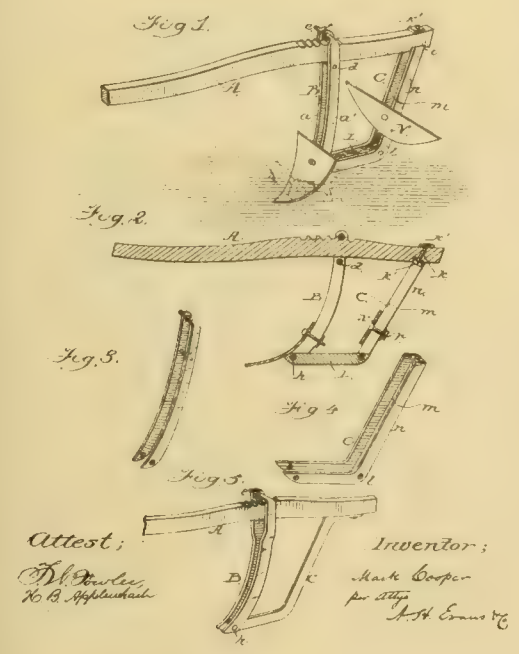


(No Model.)

M. COOPER.

PLOW.

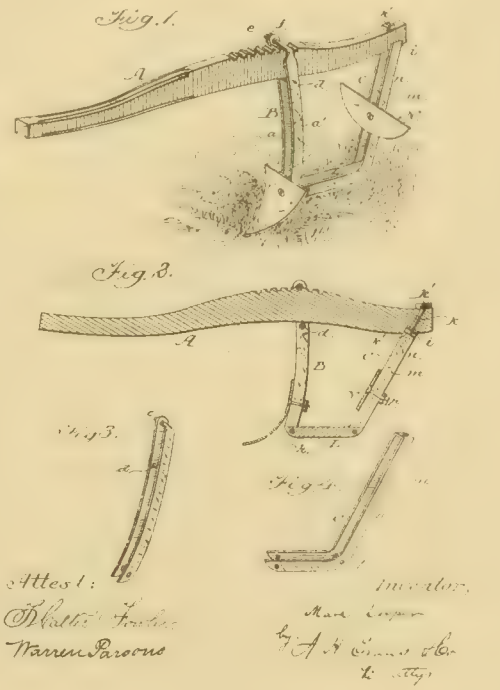
No. 247,989. Patented Oct. 4, 1881.



M. COOPER.

PLOW.

No. 10,007. Reissued Jan. 10, 1882.

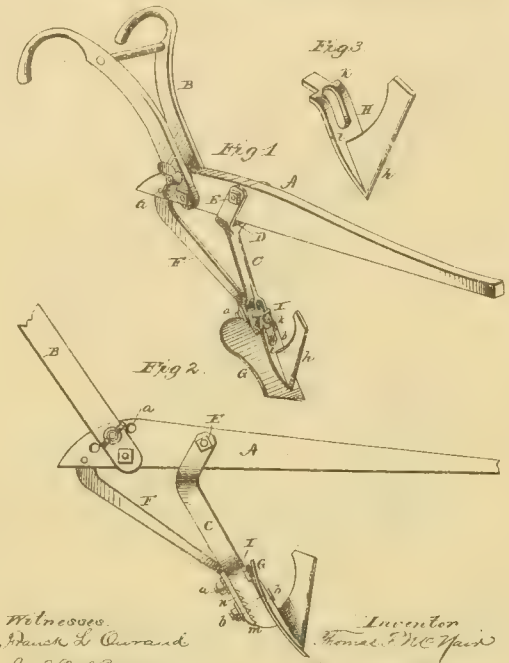


(Model.)

T. F. McNAIR.

PLOW.

No. 248,773. Patented Oct. 25, 1881.



Witnesses.
Franck L. Durand
J. J. McCarthy

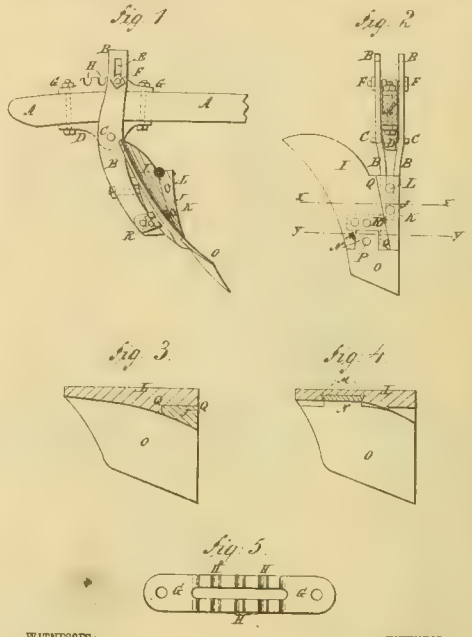
Inventor
Thomas F. McNair
By D. Alexander Wisser
Attorney

(Model.)

I. V. NEWSOM.

PLOW.

No. 249,079. Patented Nov. 1, 1881.



WITNESSES:
A. Fricke
E. Dilgwich

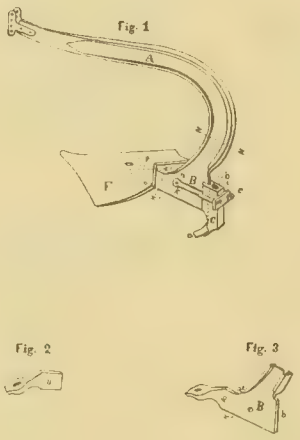
INVENTOR:
I. V. Newsom
BY Munn & Co.

(No Model.)

J. LANE.

PLOW.

No. 250,151. Patented Nov. 29, 1881.



Witnesses:
E. L. Lane
M. Barker

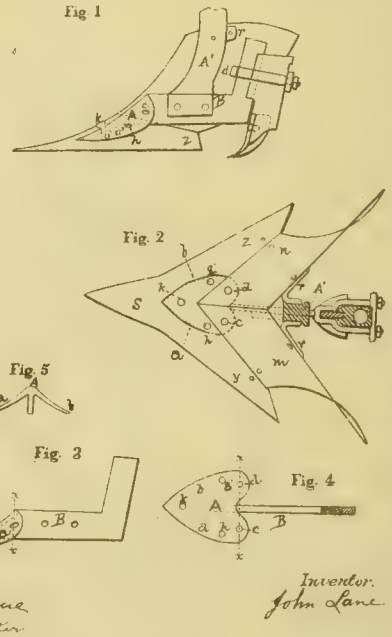
Inventor
John Lane

(No Model.)

J. LANE.

LISTING PLOW.

No. 250,152. Patented Nov. 29, 1881.



Witnesses:
E. L. Lane
M. Barker

Inventor.
John Lane

(No Model.)

G. S. AGEE.

SHOVEL PLOW.

No. 253,331. Patented Feb. 7, 1882.

WITNESSES:

INVENTOR:

BY

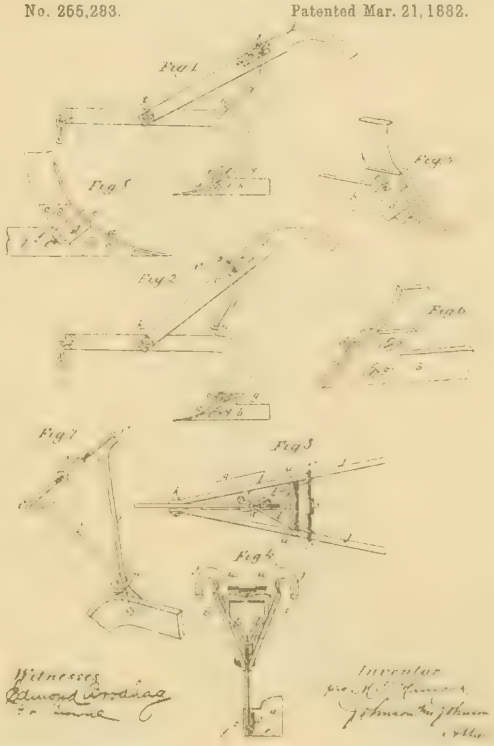
ATTORNEYS.

(No Model.)

M. T. HANCOCK.

PLOW.

No. 255,283. Patented Mar. 21, 1882.



Witnesses

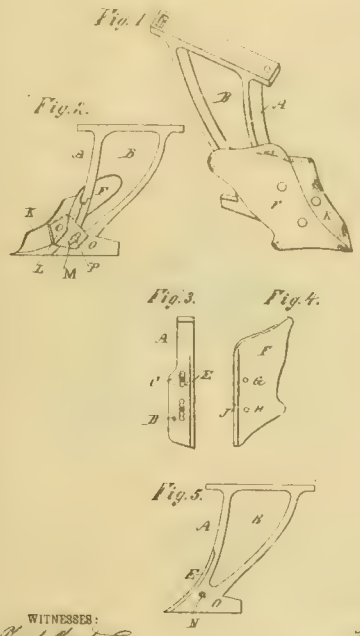
Inventor

(No Model.)

M. M. BEARD.

PLOW.

No. 257,639. Patented May 9, 1882.



WITNESSES:

INVENTOR:

BY

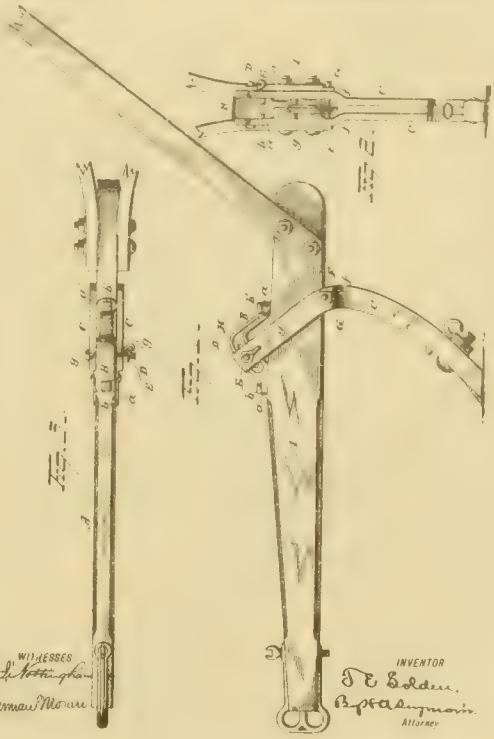
ATTORNEYS.

(No Model.)

T. E. GOLDEN.

PLOW.

No. 257,861. Patented May 16, 1882.



WITNESSES

INVENTOR

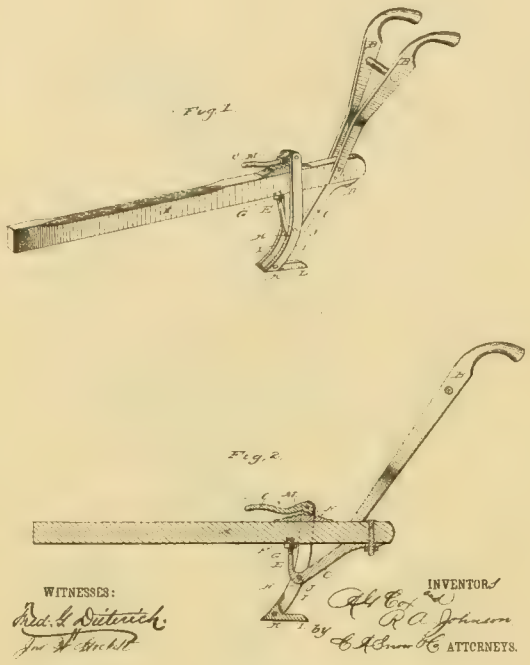
Attorney

(No Model.)

A. G. COX & R. A. JOHNSON.

PLOW.

No. 259,292. Patented June 13, 1882.

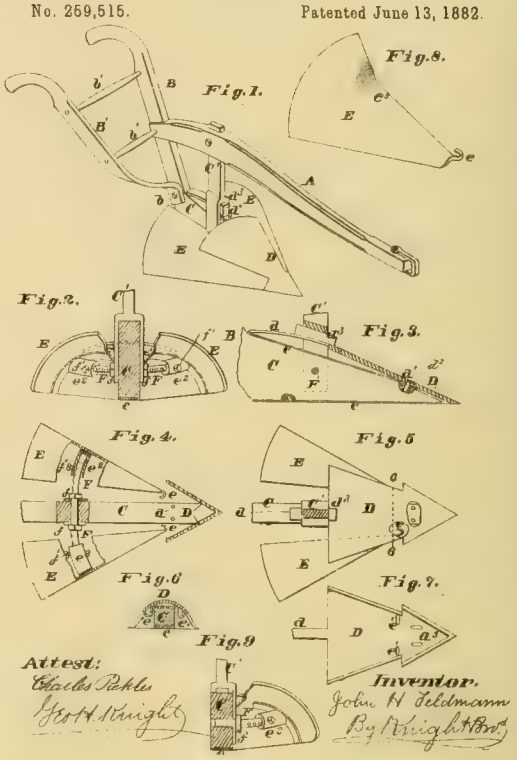


(No Model.)

J. H. FELDMANN.

SHOVEL PLOW.

No. 259,515. Patented June 13, 1882.

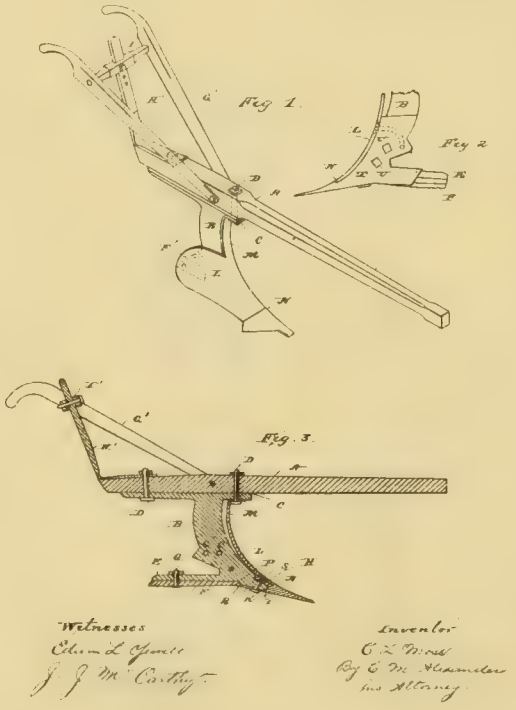


(Model.)

C. L. MOSS.

PLOW.

No. 259,900. Patented June 20, 1882.

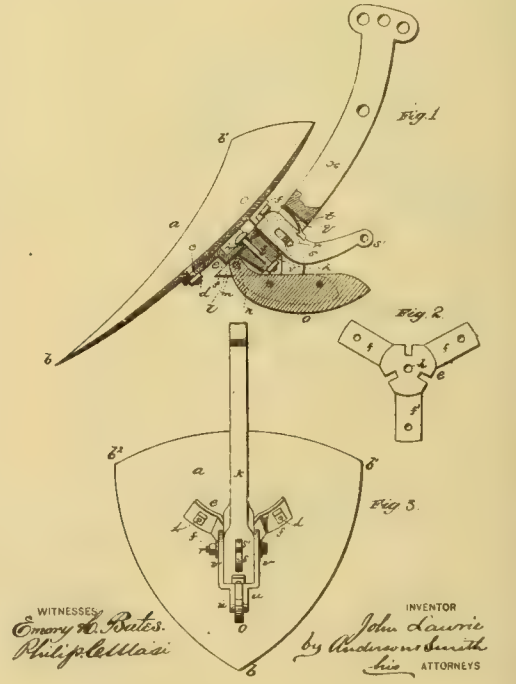


(Model.) 2 Sheets—Sheet 1.

J. LAWRIE.

SHOVEL PLOW.

No. 261,001 Patented July 11, 1882.



(Model.) 2 Sheets—Sheet 2

J. LAWRIE.

SHOVEL PLOW.

No. 261,001. Patented July 11, 1882.

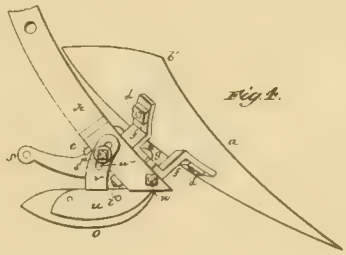


Fig. 4.

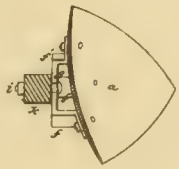


Fig. 5.

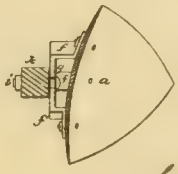


Fig. 6.

WITNESSES
Emory F. Bates
Philip Lawrie

INVENTOR
John Lawrie
by Anderson & Smith
his ATTORNEYS

(No Model.)

W. J. N. WELBORN.

ATTACHMENT FOR PLOWS.

No. 263,637. Patented Aug. 29, 1882.

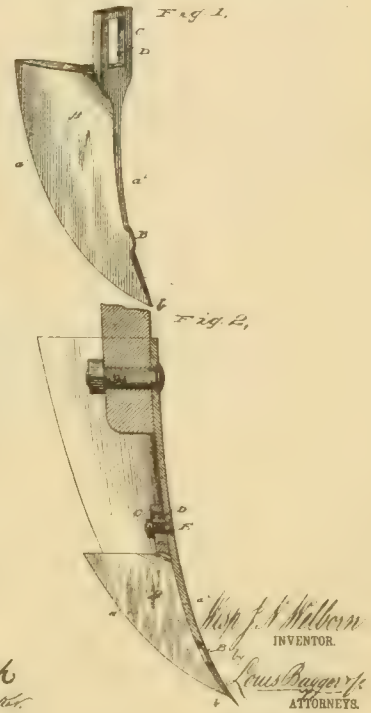


Fig. 1.

Fig. 2.

WITNESSES:
Wm. H. Dittrich
Chas. E. Baker

INVENTOR.
Wm. J. N. Welborn
Louis Bagger & Co.
ATTORNEYS.

(No Model.)

W. O. JOHNSON.

SHOVEL PLOW.

No. 265,324. Patented Oct. 3, 1882.

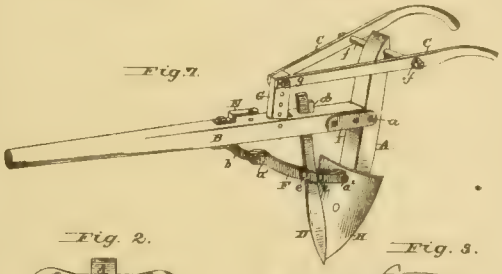


Fig. 7.

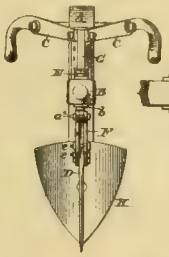


Fig. 2.

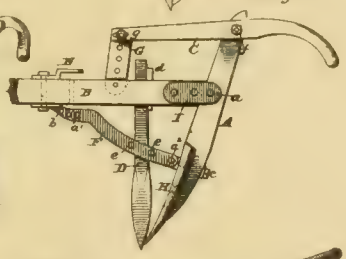


Fig. 3.

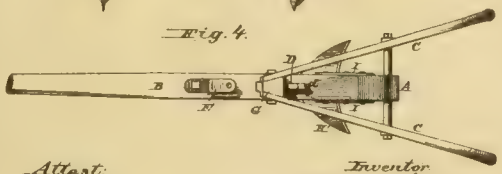


Fig. 4.

Attest:
R. D. Arms
D. H. Cook

Inventor
William O. Johnson
By Thos. L. Ewin Atty.

(No Model.)

R. J. BEST.

IRON FOOT PLOW.

No. 265,566. Patented Oct. 10, 1882.

Witnesses:
J. H. C. Porter
E. N. Rock

Inventor
R. J. Best

(No Model.)

D. BEETS.

PLOW.

No. 268,985. Patented Dec. 12, 1882.

Fig. 1.

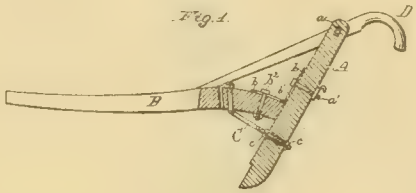
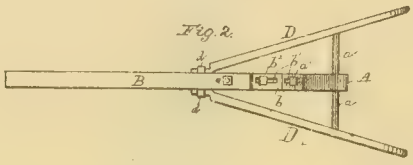


Fig. 2.



Witnesses:

J. W. Garner

H. S. D. Haines

Inventor:

Daniel Beets.

by Howard A. Sprague

Attorney

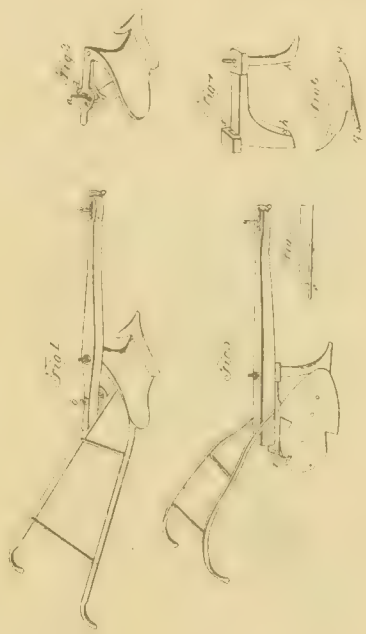
	Plate	Claim
Abbott, H. B.	939	580
Ackley, H. R.	968	592
Akins, H. S.	929	576
Akins, H. S.	930	577
Altenderfer, P. and B.	921	573
Anderson, J. G.	975	595
Anschutz, A. Seidel, A. and Weber, M.	950	584
Arnett, W. D.	965	591
Babbitt, W. H.	924	575
Babbttt, W. H.	927	576
Baker, B. F.	948	584
Bakes, F. G.	936	579
Barager, C. F.	933	577
Barnaby, A.	923	574
Barnett, J. W. and Hobbs, T. J.	963	590
Barrows, F. A.	962	589
Barton, A.	928	576
Barton, W. C.	968	592
Bethea, J. C.	936	579
" " (R)	936	579
Bieker, F.	952	585
Bliven, S. R.	930	576
Bouchet, P.	962	589
Brewster, I.	925	575
Brooks, C. C.	969	592
Bryan, F. C.	969	593
Bryan, F. C.	977	597
Burch, L. D.	931	577
Burch, L. D.	932	577
Burgess, T. J.	950	584
Butler, J.	946	583
Chapman, L.	945	583
Chapman, L.	947	583
Chapman, L.	966	591
Chapman, L.	967	592
Chase, W. L.	926	575
Chase, M. L.	926	575
Clough, A. S.	970	593
Coodington. R. and McCall. D.	933	577
Conaway, W. H.	950	584
Connelly, W. E.	965	591
Cowley, W. A.	960	588
Cowley, W. A.	973	595
Cox, H.	925	575
Culver, F. and J. H.	955	586
Daniel, C.	961	589
Daniel, C.	963	590
Day, D. C.	944	583
Delano, C.	922	573
Dennis, S. Jr.	929	576
Dexheimer, J. P.	951	585
Doe, A.	928	576
Durfee, W. H.	975	596
Edleblute, L. S.	965	591
Eldred, A.	926	575
Eldrid, D.	931	577
Ellis, M.	953	585
Ewing, R. H.	932	577
Feldmann, J. H.	975	596
Felt, J. S.	974	595
Flansburgh, P. H.	937	579
Fowler, N. M.	964	591
Fulk, C. E. and Good, J. J.	952	585
Gochnour, D. Jr.	924	574
Gogel, J.	959	588
Gossett, W. I. and Stark, J. P.	956	586
Hakes, H. B.	649	584
Hall, S.	927	575
Hall, J. S.	928	576
Hall, J. M.	930	577
Hall, J. S.	948	584
Hall, J. S.	951	584
Hapgood, J.	945	583
Hapgood, J.	954	586
Hardenbrook, R.	937	579
Hardin, A. I.	929	576
Harrison, N, and Metcalf, J. W. H.	928	576
Haskin, O.	968	592
Hartmann, J.	951	585
Hartmann, J.	957	587
Hartmann, J.	960	588
Hartmann, J.	961	589
Hartmann, J.	971	594
Hawse, B. B.	957	587
Hodge, E. C.	942	582
Hodge, E. C.	944	582
Hodge, E. C.	959	588
Holbrook, F., Howe, J. A. and Nourse, J.	941	581
" " " " (R)	941	581
Holbrook, F. F. and Moulton, E. S.	971	594
" " " " (R)	972	594
Holley, J. P.	970	593
Howe, G. W.	950	584
Howe, J. A.	976	596
Hubbell, M. R.	955	586
Hunt, J. Y.	921	573
Iverson, L. L.	652	585
Jennings, E.	944	582
Jones, W.	933	577
Jones, J. W.	941	581
Jordan, J. W.	922	574
Jordan, J. W.	923	574
Knapp, R. I.	955	586
Knapp, R. I.	976	596
Knox, S. A.	961	589
Konig, J.	974	595
Legg, L. W. and E. D.	929	576
Leonard, G. W.	944	582
Leslie, B. J.	971	593
Levoy, W. E.	937	579
Lufkin, C. M.	933	578
Lufkin, C. M.	935	578
Lufkin, C. M.	965	591
McCabe, J.	954	586
McCormick, C. H.	921	573
McKesson, E.	934	578
Macomber, T. S.	953	585
Manuel, D. A.	939	580
Manuel, D. A.	940	580
Matthews, E. G.	938	580
Matthews, E. G.	943	582
Matthews, E. G.	946	583
Matthews, E. G.	959	588
Matthews, E. G.	969	592
Merk, M.	930	576
Miller, G. C. and Henry, R.	932	577
Morris, B. F.	961	589
Mott, J.	935	578
Mott, J.	935	578
Neff, J. Jr.	955	586
Newcomb, D. H. B.	927	576
Nourse, J.	960	588
Nourse, J. and Howe, J. A.	962	589
Nourse, J. and Howe, J. A.	966	591
O'Neill, W.	931	577
Parker, T. and Downing. J.	956	587
Parker, T.	953	585
Parsons, W. W.	951	585
Peterson, G. W.	966	591
Pettengill, C. B.	945	583
Poindexter, F.	949	584
Price, B.	935	578
Pritchard, J. P.	943	582
Rabb, W. S.	942	582
Rich, M.	923	574
Robb, D.	925	575
Ronat, L.	639	580
Rorabaugh, J.	924	575
Sanborn, A.	932	577
Sanborn, A.	948	584
Sattler, H.	969	593
Sattler, H.	973	595
Schmidt, L.	977	597
Scoville, I. and H. H.	940	580
Sessions, F. E.	960	588
Shaw, H. F. and G. F.	956	586
Shaw, H. F. and G. F.	962	589
Sloop, H.	838	580
Smith, E. J. and Griswsld, H.	925	575
Smith, H. B.	934	578
Speer, W. W.	945	583
Strait, W.	958	587
" " (R)	958	587
Strait, W.	968	590
Strait, W.	971	593
Steinmetz, C. P.	939	580
Stratton, C. H.	954	586
Sturtevant, Z. W.	941	581
Swartz, P. E. and Arnot, A	970	593
Sweetland, H. H.	949	584
Sykes, C. W.	934	578
Tate, E.	965	591
Teeter, I.	923	574
Thompson, G. W.	936	578
Thompson, G. W.	943	582
" " (R)	943	582
Thurman, J. W.	926	575
Teitz, J.	937	579
Tinkler, J.	922	574
Trump, J.	924	574
Tufts, S. G.	940	581
Tyler, W. H.	940	581
Underhill, H. R.	963	590
Van Camp, E.	931	577
Vars, N.	934	578
Vickery, D. F. and Prickett, W. P.	959	587
Wadleigh, S. F., Roberts, O. N. and G. S.	964	590
Warlick, W.	952	585
Watson, F.	938	580
Weaver, J.	921	573
Wiard, H. and Bullock, W R.	968	592
Wilder, J. B.	927	576
Wilson, L. E. and McCanles, J. E.	963	590
Woodbury, J. L. and G. L.	970	593
Woodworth, S. F.	976	596
Wright, A.	938	580
Wisley, S. H.	956	586

James G. Hunt.
Side-Hill Plows.
Dec. 24, 1824.
Drawing Lost. See Claims.

P. & B. ALTENDERFER.
Side-Hill Plow.
Patented June 11, 1829

C. H. McCORMICK.
Side-Hill Plow.
Patented June 13, 1831

J. WEAVER.
Plow.
Patented Aug. 17, 1832.

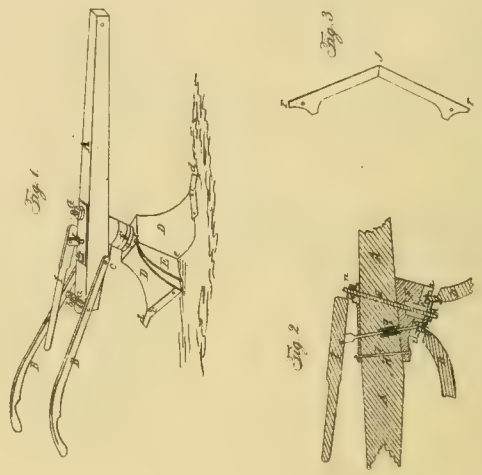


Calvin Delano,
Side-Hill Plows,
July 5 1833,
Drawing Lost. See Claim.

J. TINKLER.

Side-Hill Plow.

Patented Mar. 2, 1835.

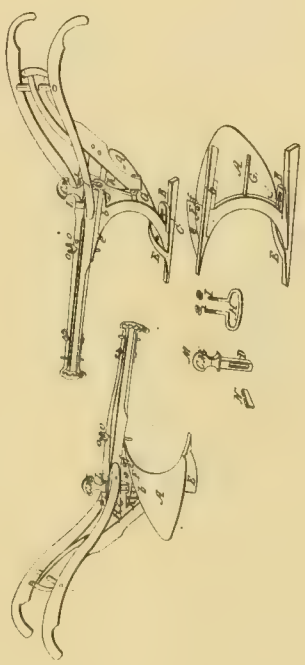


2 Sheets—Sheet 1.

J. W. JORDAN.

Side-Hill Plow.

Patented Oct. 28, 1835

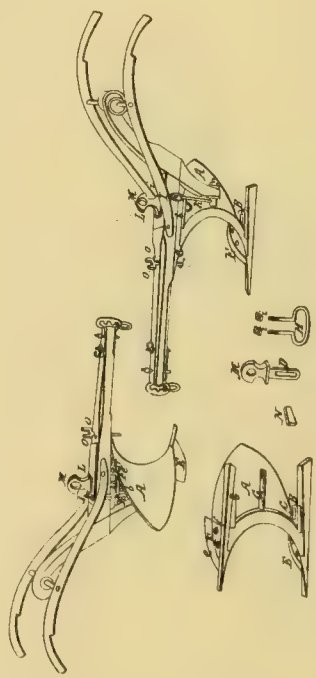


2 Sheets—Sheet 2.

J. W. JORDAN.

Side-Hill Plow.

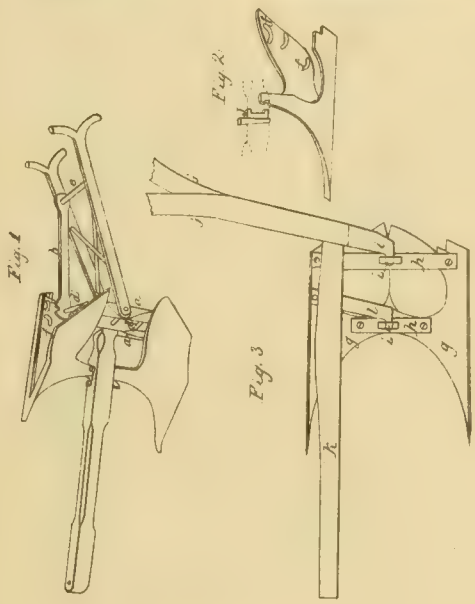
Patented Oct. 28, 1835



M. Peck.

Side-Hill Plow.

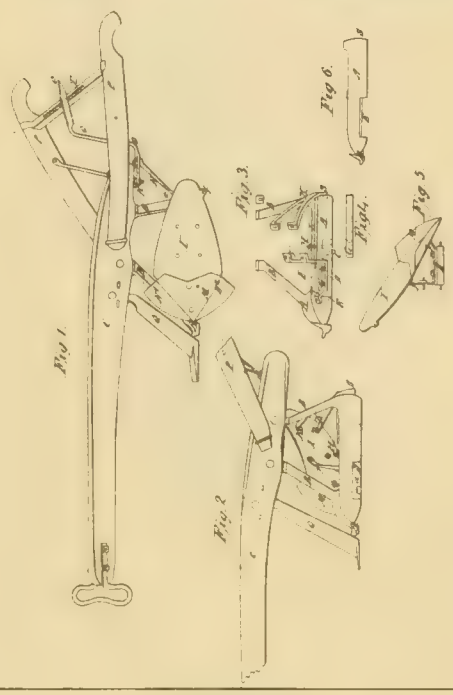
No 653. Patented Mar 24, 1838.



I. Teeter.

Side Hill Plow.

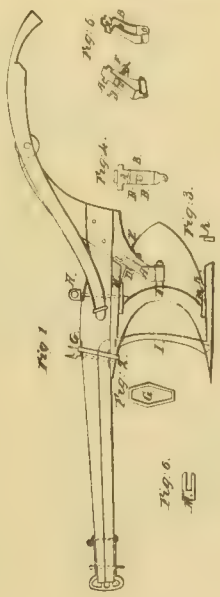
No 959 Patented Oct. 3. 1838.



J. W. Jordan.

Side Hill Plow.

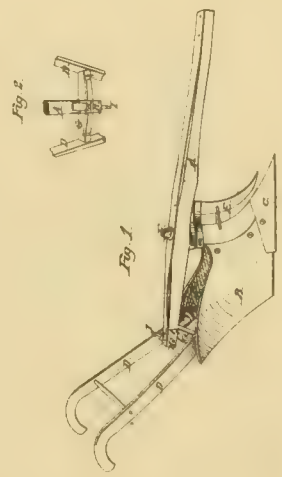
No 1,128. Patented Apr 14, 1839.



A. Barnaby.

Plow.

No 1,320. Patented Sept. 11, 1839.



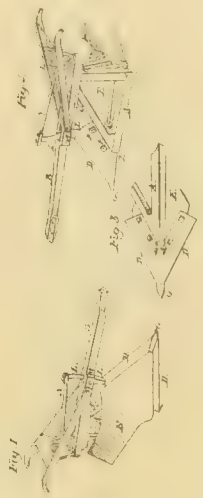
Witnesses:
Augustus Shenk
Henry Mooers

Inventor:
A. W. Barnaby

D. Gochnour, Jr.

Side-hill Plow;

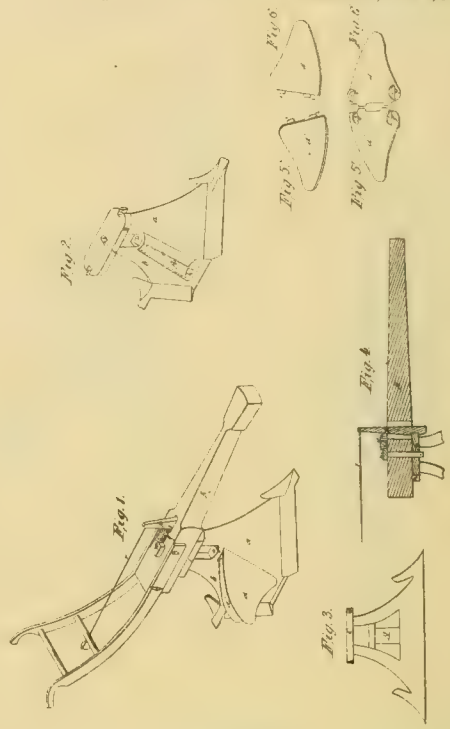
No. 1632. Patented June 12, 1840.



J. Thump,

Side-Hill Plow.

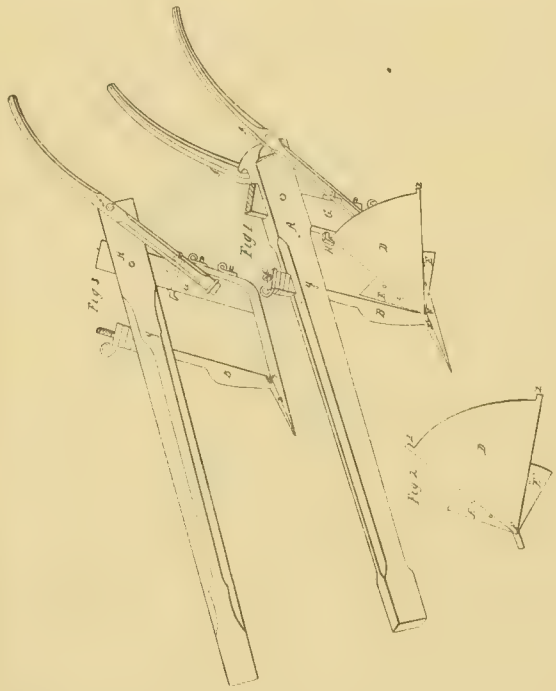
No 4186. Patented Sept. 9 1846.



J. Ronabaugh.

Side Hill Plow.

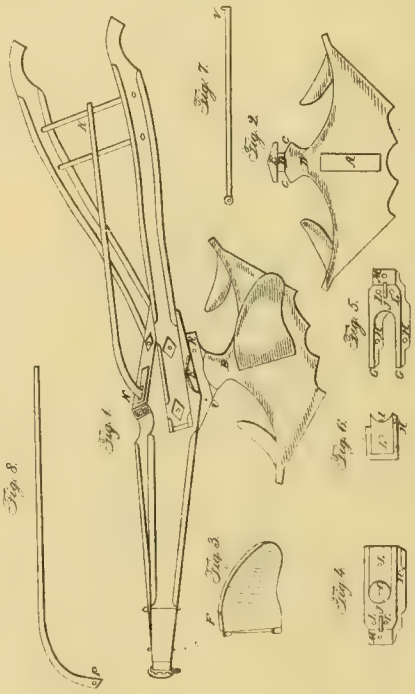
No 4,870. Patented Dec. 3. 1846



W. H. BABBIT.

Side-Hill Plow.

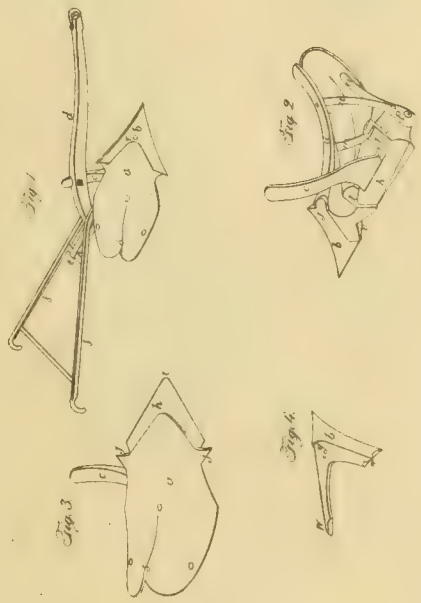
No 5,363 Patented Nov 6, 1847



SMITH & GRISWOLD.

Side-Hill Plow.

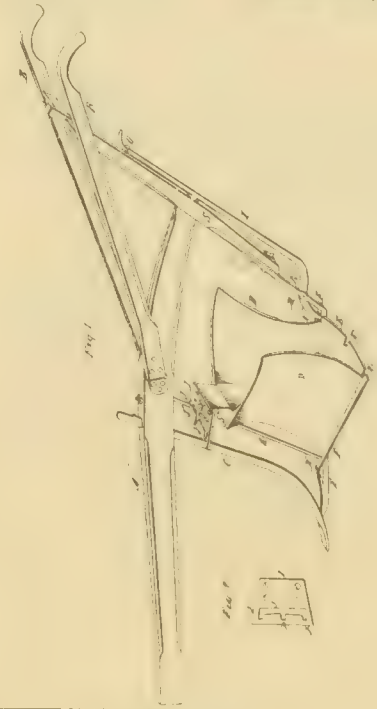
No. 5,677. Patented July 25, 1848.



H. Cox.

Side-Hill Plow.

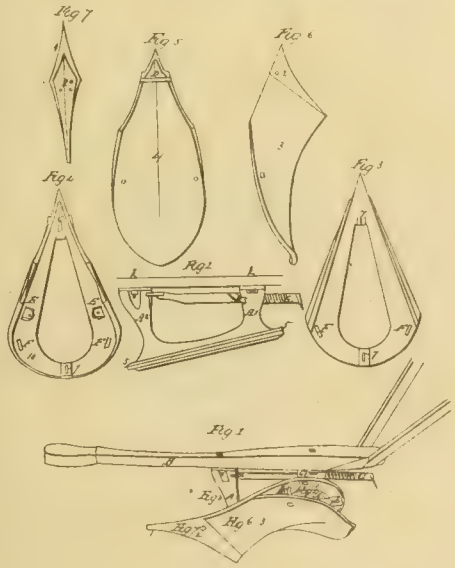
No. 6,909. Patented Feb. 7, 1848



I. Brewster.

Side Hill Plow.

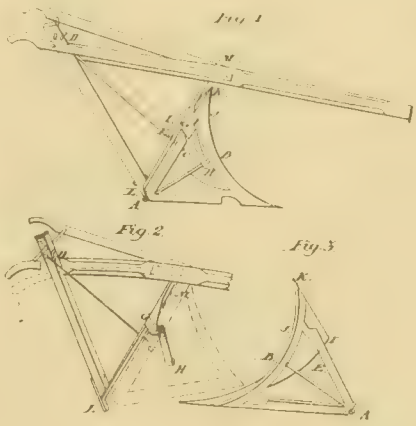
No. 5,922. Patented Nov. 11, 1848.



J. Ball

Side-Hill Plow.

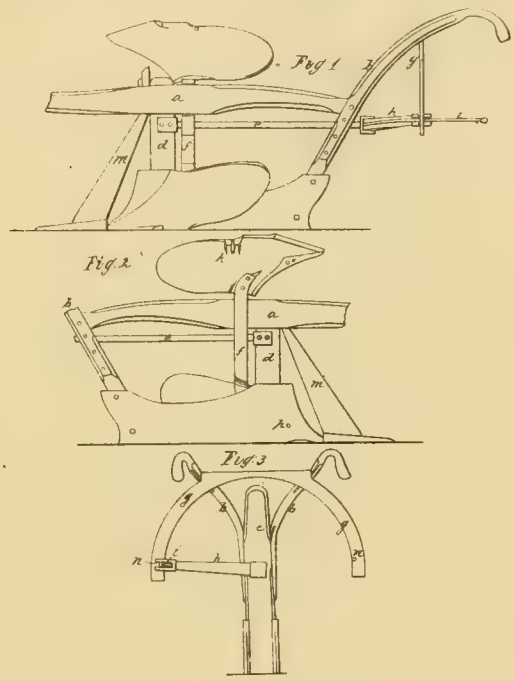
No. 6,553. Patented Jan. 26, 1849



A. Eldred.

Side Hill Plow.

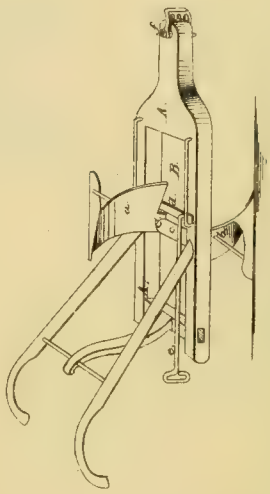
No. 6,606. Patented Jul. 24, 1849.



J. W. Thurman.

Side-Hill Plow.

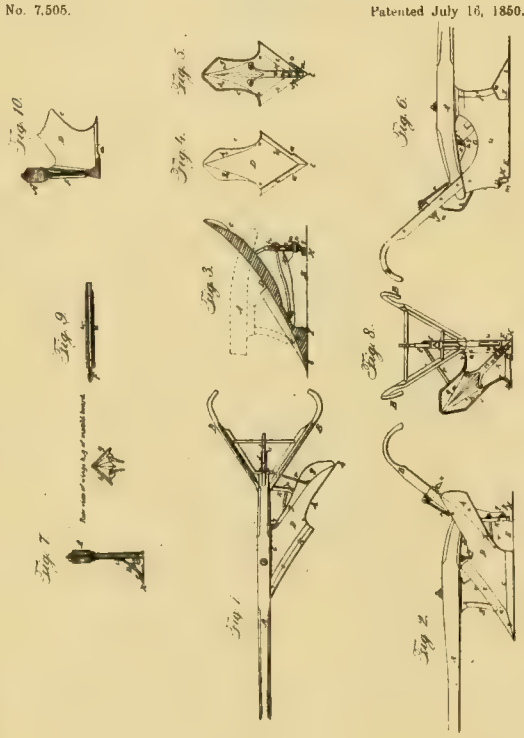
No. 6,677. Patented Aug. 28 1849.



M. L. CHASE.

Side-Hill Plow.

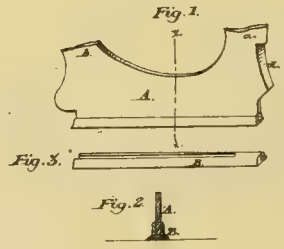
No. 7,505. Patented July 16, 1850.



W. L. Chase.

Side Hill Plow.

No. 7,618. Patented Jul. 22, 1850.



S. Hall.

Side Hill Plow

No. 9,519. Patented Jan. 4, 1853

D. H. B. Newcomb.

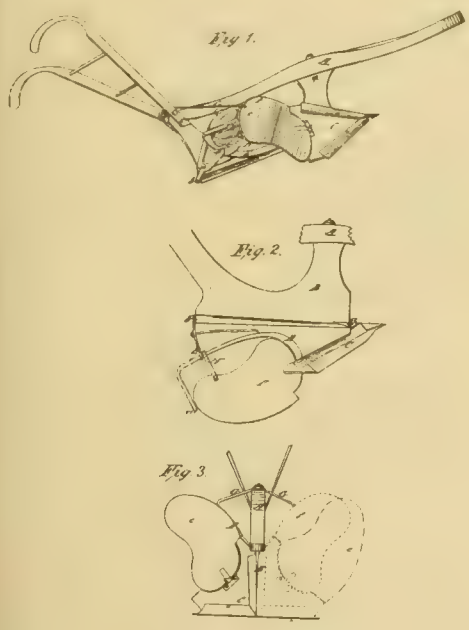
Side Hill Plow.

No. 9,801. Patented June 21, 1853.

J. B. Wilder,

Side Hill Plow.

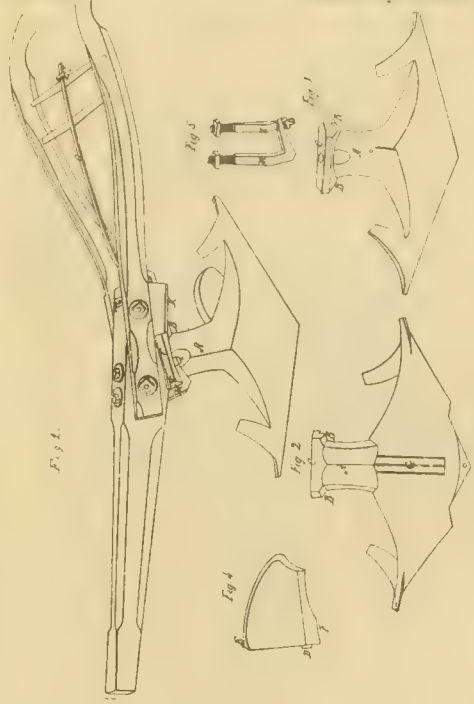
No. 9,808. Patented June 21, 1853.



W. H. Babbit,

Side Hill Plow.

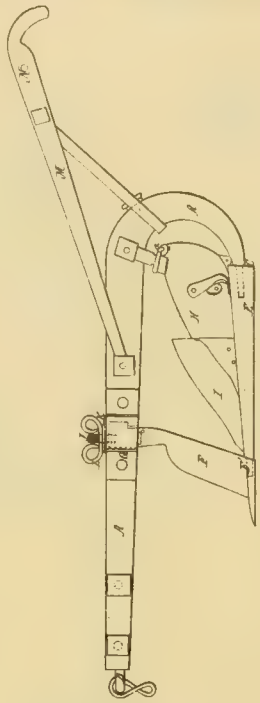
No. 9,941. Patented Aug. 16, 1853



Harrison & Metcalf.

Side-Hill Plow.

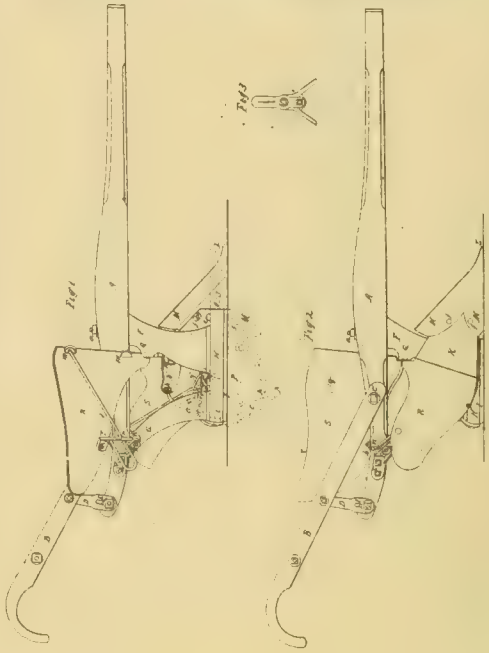
No. 10,107. Patented Oct. 11, 1853.



A. Doe.

Side Hill Plow.

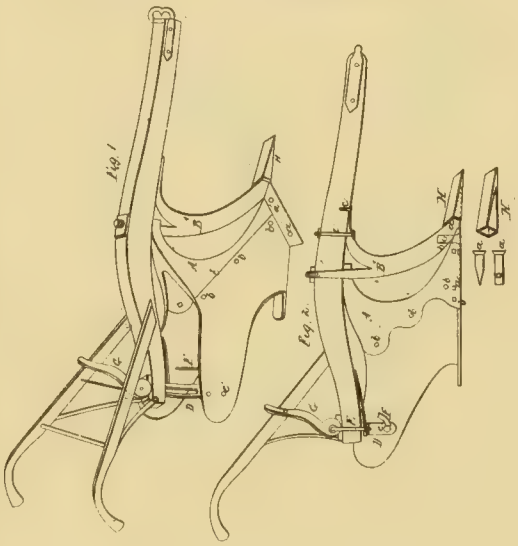
No. 18,310 Patented Jan. 30, 1858.



J. Barton.

Plow

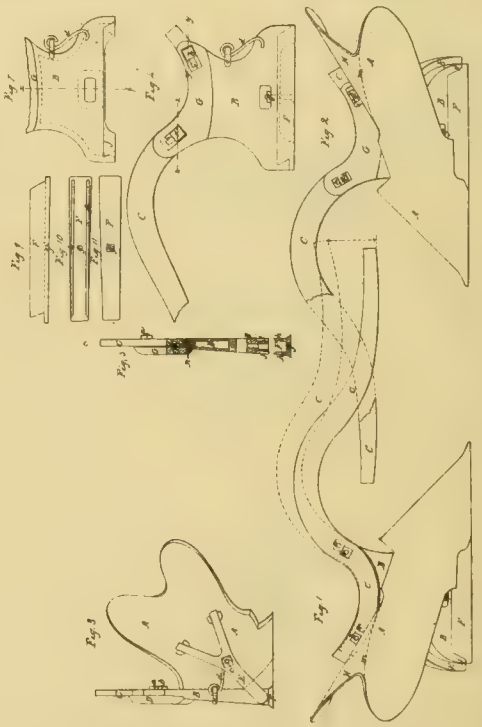
No. 16,321. Patented Jul. 15, 1856.



J. S. Hall.

Side Hill Plow.

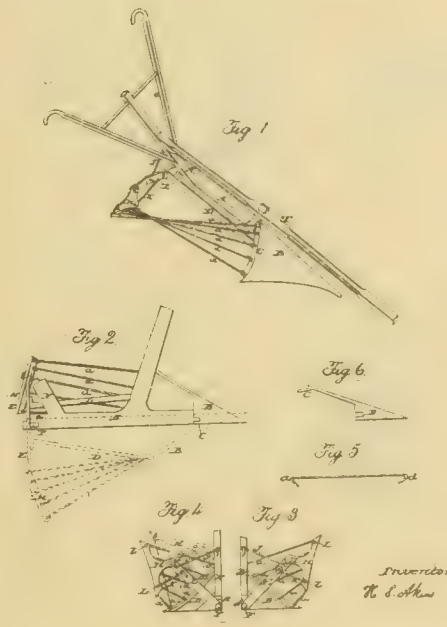
No. 17,430. Patented Jun. 2, 1857.



H. S. AKINS.

Side-Hill Plow.

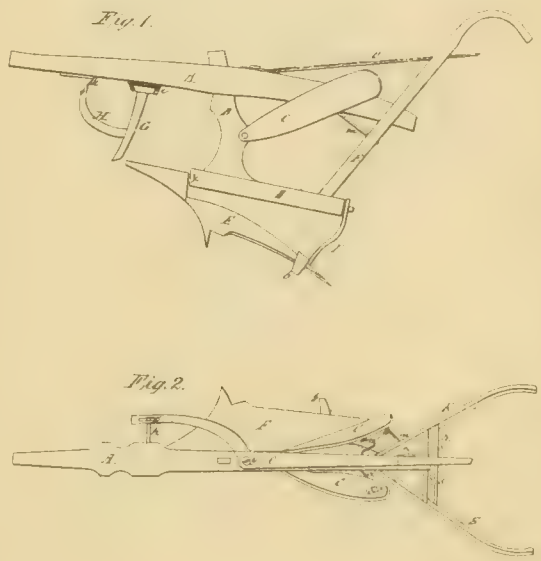
No. 17,647. Patented June 16, 1857



E. D. & L. W. Legg

Side Hill Plow.

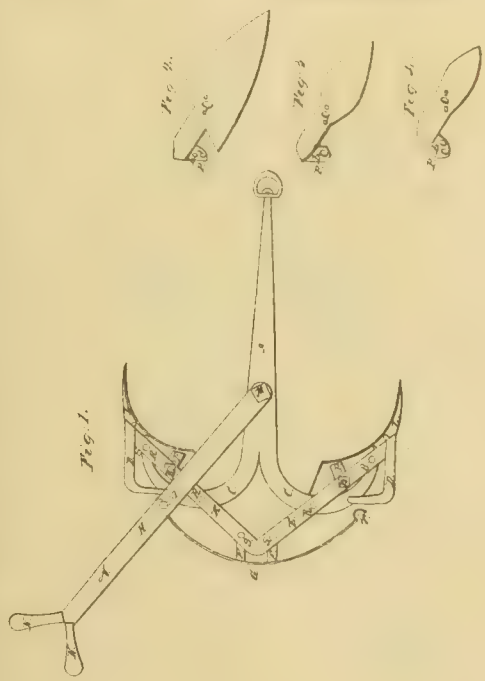
No 17,579. Patented Jun 16, 1857.



A. I. Hardin.

Side Hill Plow

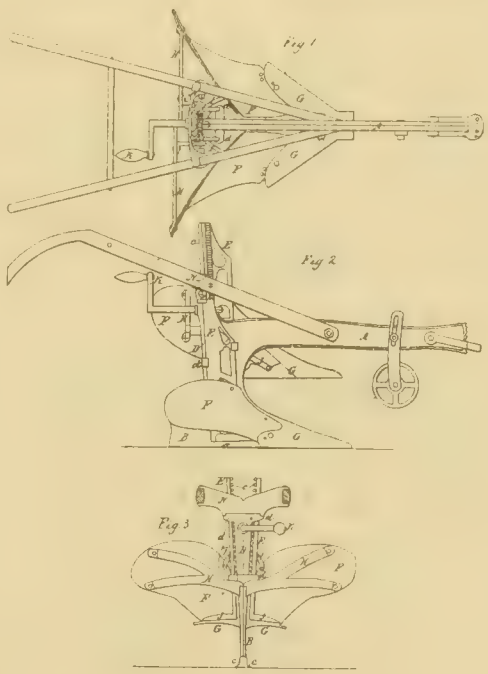
No 18,336. Patented Oct. 6, 1857



S. Dennis, Jr

Side Hill Plow

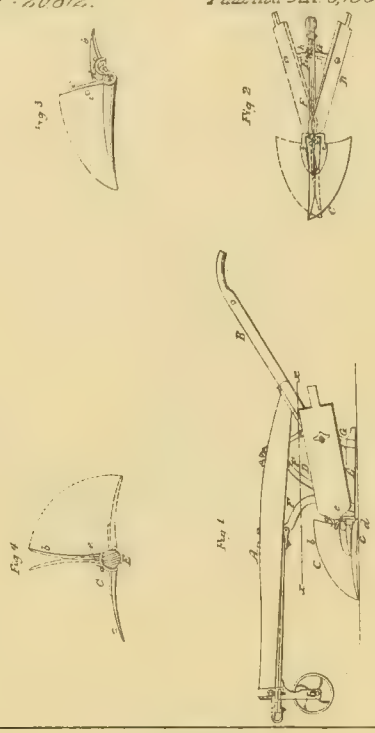
No 17,496. Patented Mar 2, 1857



M. Mark.

Side Hill Plow.

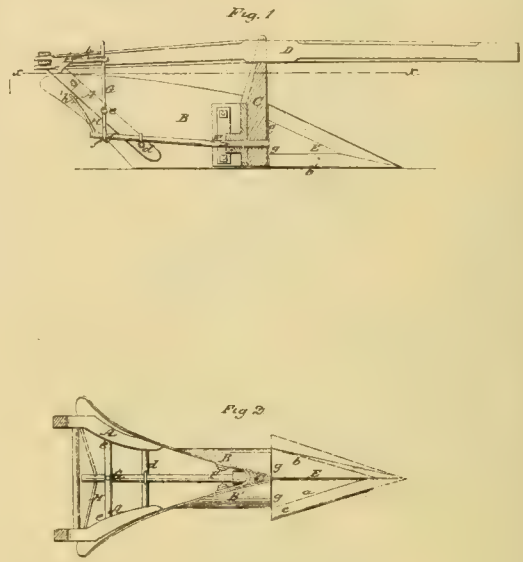
No. 20,812. Patented Jun. 6, 1858.



S. R. Brown.

Shovel Plow.

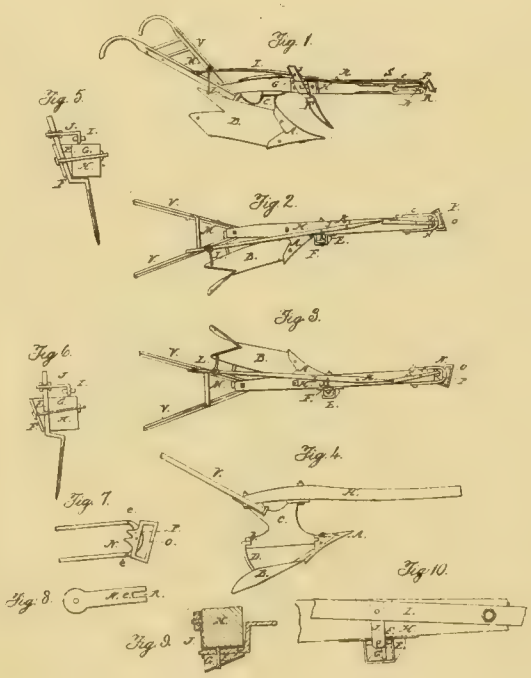
No. 20,984. Patented Jun. 27, 1858.



H. S. AKINS.

Side-Hill Plow.

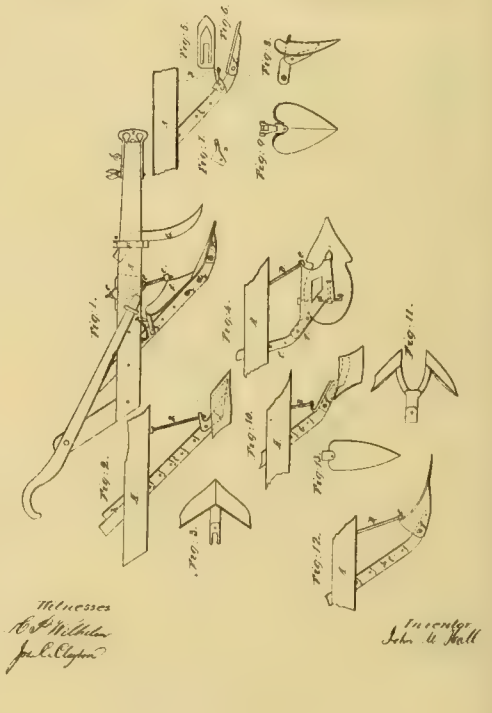
No. 21,306. Patented Aug 13, 1858.



J. M. Hall.

Side Hill Plow.

No. 23,063. Patented Feb. 22, 1859.



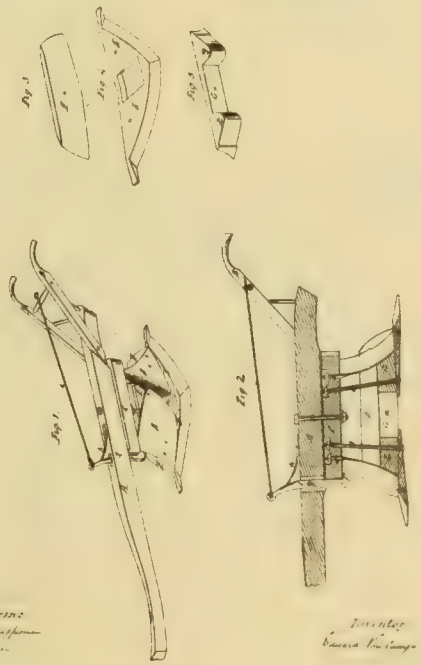
Witnesses
R. S. Wilkins
Jas. E. Clayton

Inventor
John M. Hall

E. Van Camp

Side Hill Plow

No. 23,964 Patented May 17, 1859



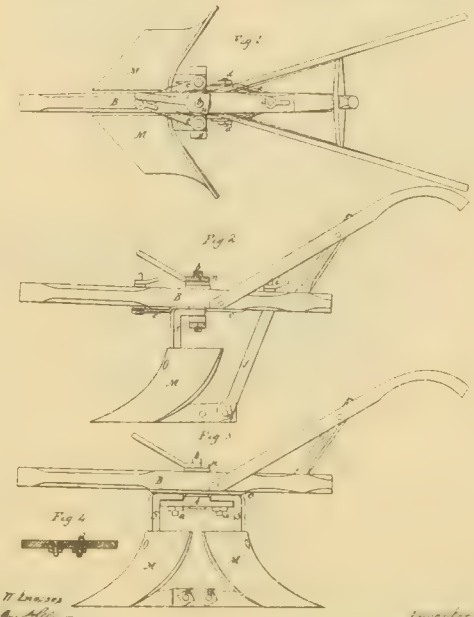
Witnesses:

Inventor

W. O'Neill

Side Hill Plow

No. 25,436 Patented Sept. 13, 1859



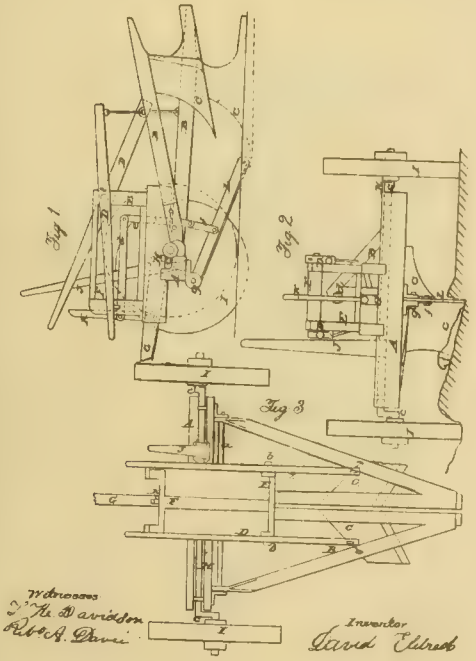
Witnesses

Inventor

D. ELDRED.

Wheel-Plow.

No. 25,816. Patented Oct. 18, 1859



Witnesses

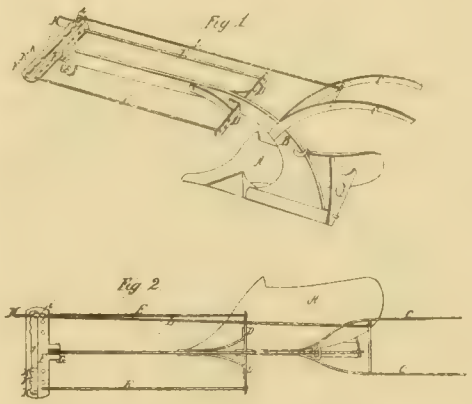
Inventor

David Eldred

L. D. Burch.

Side Hill Plow

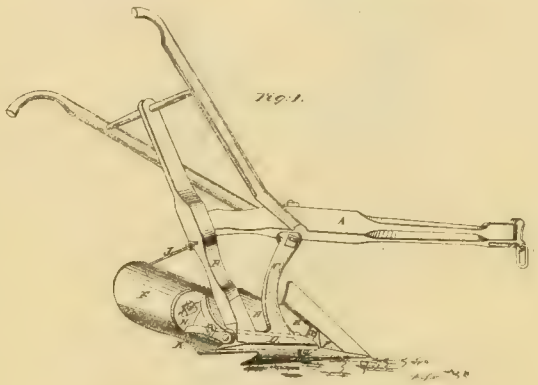
No. 29,567. Patented Aug. 14, 1860

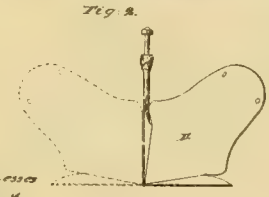


Miller & Henry.

Side Hill Plow.

No. 20,705 Patented May 21, 1860.





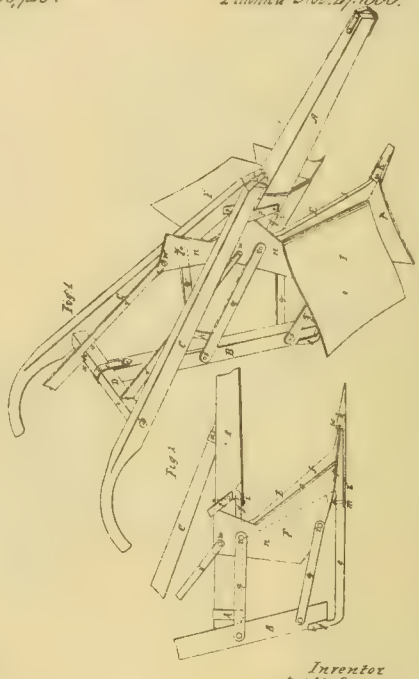
Witnesses
James M. Lusby
John Blair

Inventors
Miller Henry
Amzi Brother

R. H. Ewing,

Side Hill Plow.

No. 30,126. Patented Nov. 27, 1860.



Witnesses
Geo. Pepper
J. K. Graves

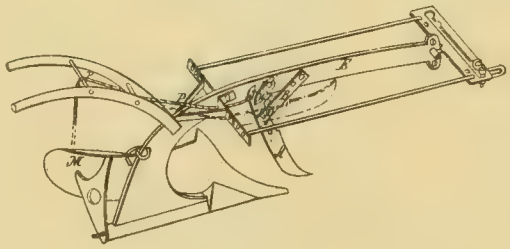
Inventor
R. H. Ewing

L. D. Burch.

Side Hill Plow.

No. 6,650.
31,654.

Patented Mar. 12, 1861.



Witnesses;
Edmund Shaw
Charles Hart

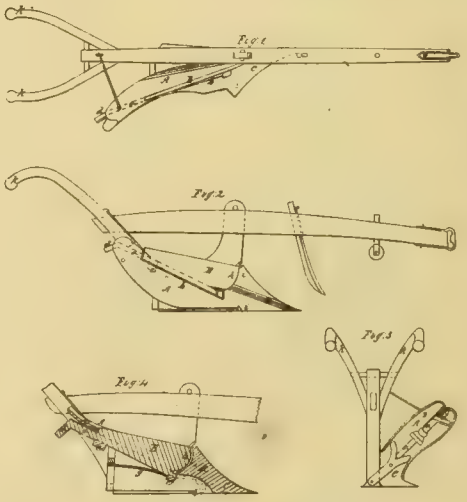
Inventor,
L. D. Burch

A. Sanborn.

Side Hill Plow.

No. 1,583
32,591.

Patented Jun. 18, 1861.



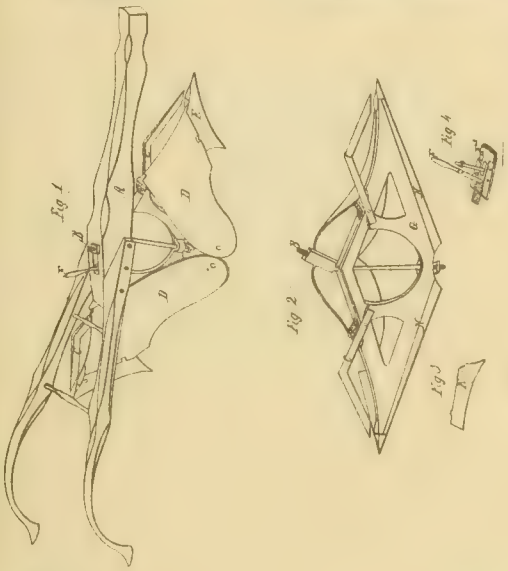
Witnesses
Ch. P. Hall
Arthur Nace

Inventor
Augustus Sanborn

Coddington & McCall,

Side Hill Plow.

No. 2569 33,673. Patented Oct. 29 1861.



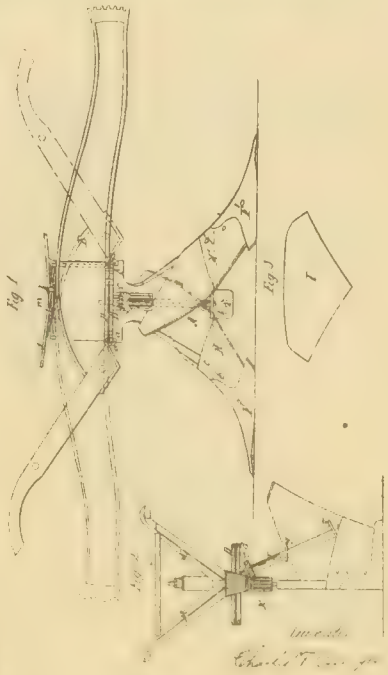
Witnesses,

Inventors,

C. T. Barager

Side-Hill Plow.

No. 35,432. Patented Jan. 3, 1862.



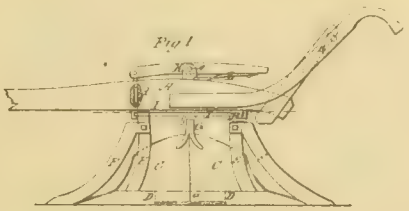
Witnesses.

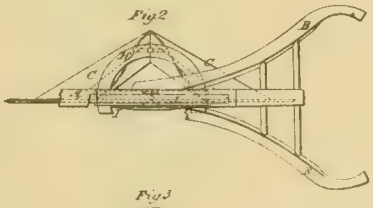
Inventor.

W JONES.

Side-Hill Plow

No. 36,999 Patented Nov. 25. 1862.





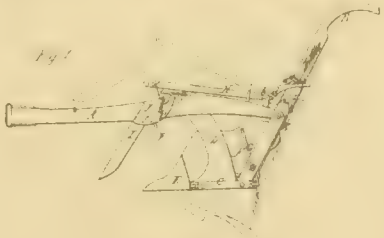
Witnesses

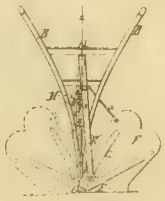
Inventor

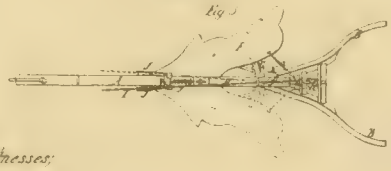
C. M. [illegible]

Flow Cleaner

No. 39,411. Patented [illegible]







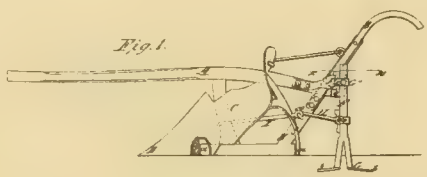
Witnesses:

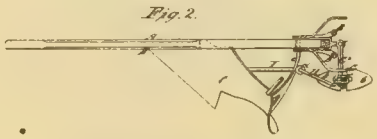
Inventor.

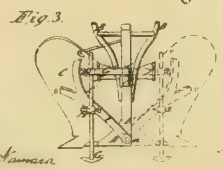
N. Vars.

Side Hill Plow.

No. 45,988. Patented Jan. 10, 1865.







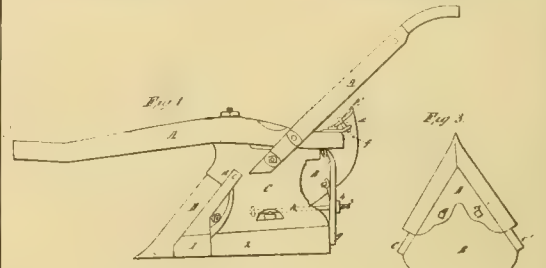
Witnesses:
Jno. P. McNamara
M. M. Morgan

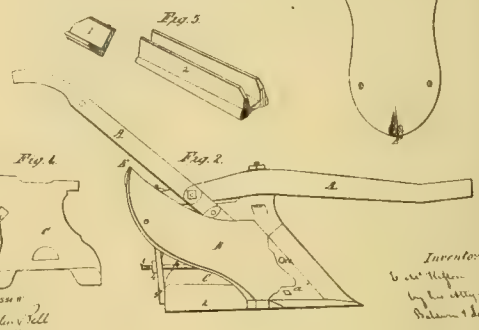
Inventor:
Nathan Vars
per Munn & Co.
Attys.

E. McKesson.

Side Hill Plow.

No. 45,949. Patented Jan. 17, 1865.





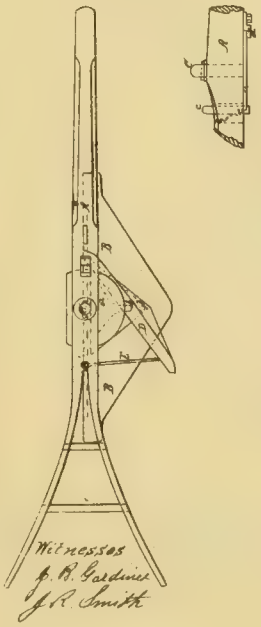
Witnesses:
Lumsden & Bell
Rochester N. Y.

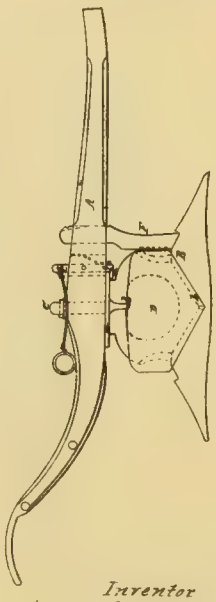
Inventor:
E. McKesson
by his Atty.
Pickering & Son

H. B. Smith.

Side Hill Plow.

No. 46,716. Patented Mar. 7, 1866.





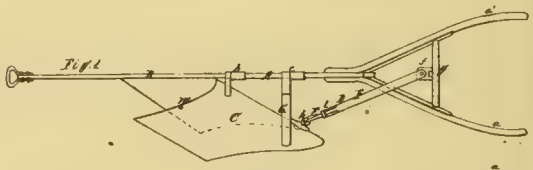
Witnesses
J. R. Gardiner
J. R. Smith

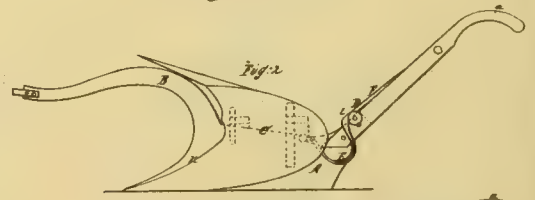
Inventor
Hannibal B. Smith

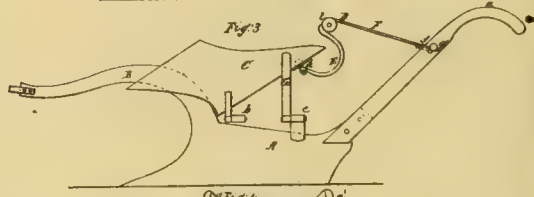
C. W. Sykes.

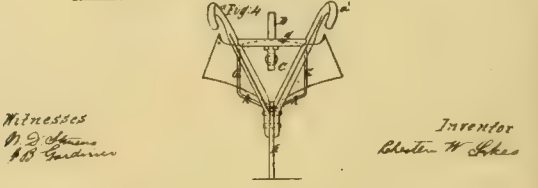
Side Hill Plow.

No. 50,749. Patented Oct. 31, 1865.









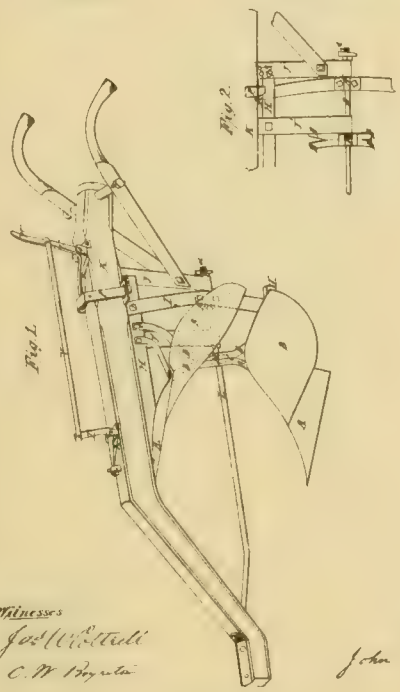
Witnesses
W. J. Adams
J. B. Gardiner

Inventor
Chester W. Sykes

J. Mott.

Side Hill Plow

No. 64,766. Patented May 15, 1866.



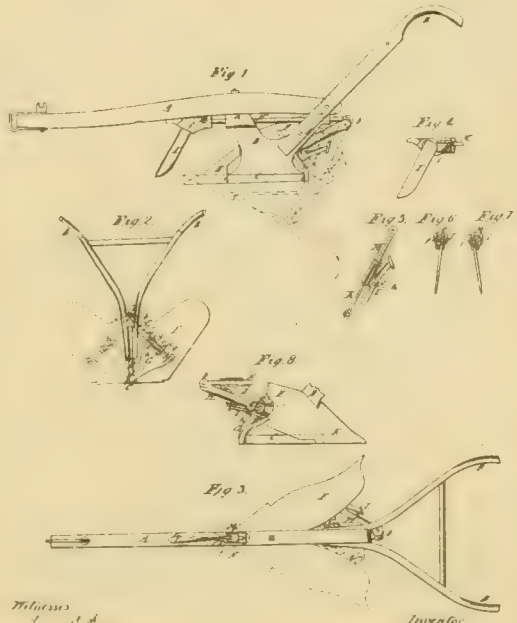
Witnesses
Jos. W. Ettell
C. W. Boynton

Inventor
John Mott.

C. M. Lupton.

Side Hill Plow

No. 55,684 Patented June 19, 1866



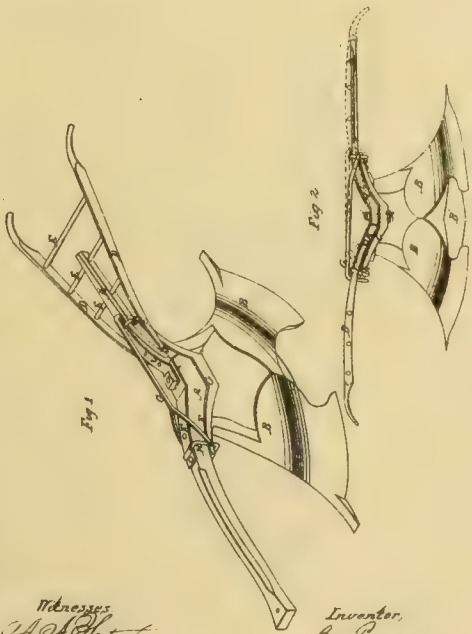
Witnesses
Lemuel Pierce
Frank B. Pierce

Inventor
C. M. Lupton

B. Price.

Side Hill Plow.

No. 56,791 Patented Jul. 31, 1866.



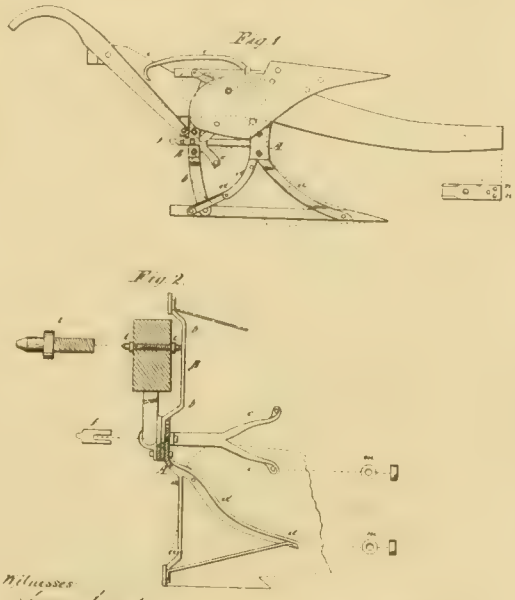
Witnesses
H. A. Blackmer
N. C. Clayton

Inventor,
Benj. Price
by atty. A. C. Clayton

J. Mott.

Side Hill Plow.

No. 57,171. Patented Aug. 14, 1866.



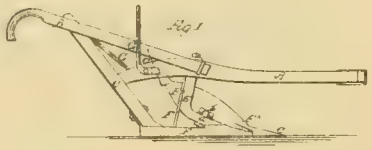
Witnesses
C. W. Smith
Geo. H. Munkey

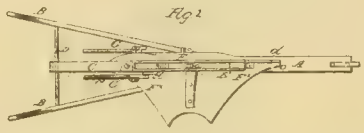
Inventor.
John Mott

G. W. Thompson.

Side Hill Plow

No. 57,796. Patented Sept. 4, 1866.





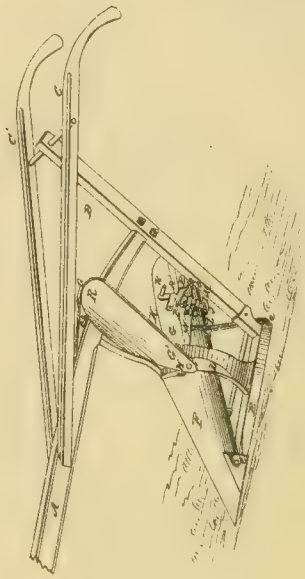
Witnesses
Jas. A. Brown
Alex. F. Robert

Inventor
G. W. Thompson
per Munn & Co.
Attorneys

F. G. BAKES.

Side-Hill Plow

No. 60,820. Patented Jan. 1, 1867.



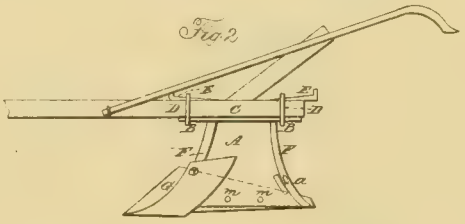
Witnesses:
H. G. Wilber
Sam. Knight

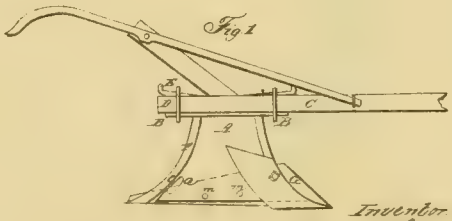
Inventor:
Frederick G. Bakes
By Knight Bros.
Attorneys

J. C. BETHEA.

Side-Hill Plow.

No. 61,796 Patented Feb. 5, 1867





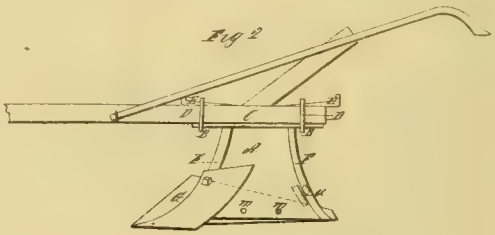
Witnesses
G. W. Rothwell
S. C. Hemon

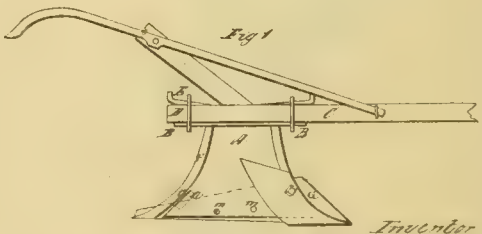
Inventor
Munn & Co.
Attys for
James C. Bethea
By O. Knight
Supt

J. C. Bethea.

Side Hill Plow

No. 3,094. Reissued Aug. 25, 1868





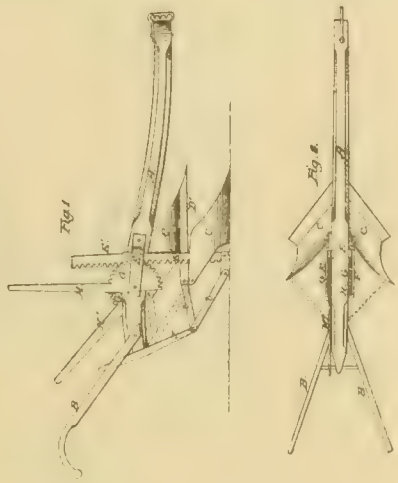
Witnesses
G. W. Rothwell
S. C. Hemon

Inventor
Munn & Co.
Attys for
James C. Bethea
By O. Knight
Supt

P. H. FLANSBURGH

Side-Hill Plow.

No. 66,012. Patented June 26, 1867.



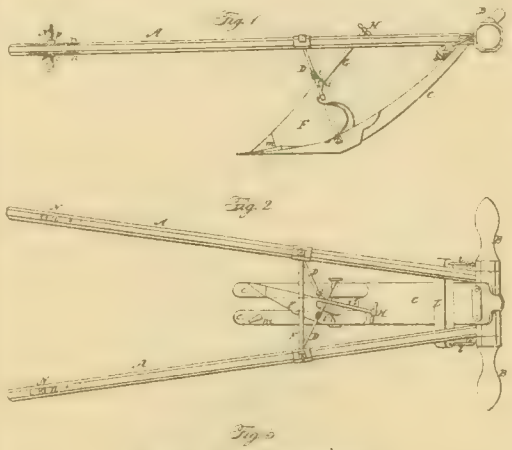
WITNESSES,

INVENTOR

J. TIETZ.

Plow.

No. 67,002 Patented July 23, 1867.



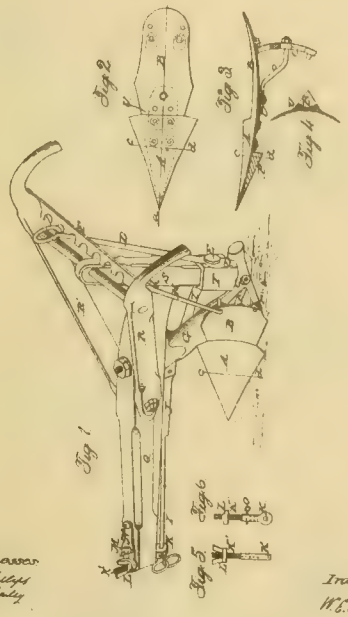
Witnesses:

Inventor:

W. E. LEVOY.

Side-Hill Plow.

No. 67,890 Patented Aug. 20, 1867.



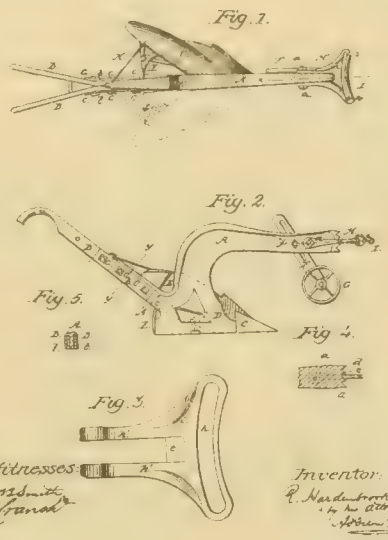
Witnesses

Inventor

R. HARDENBROOK.

Side-Hill Plow.

No. 68,190. Patented Aug. 27, 1867



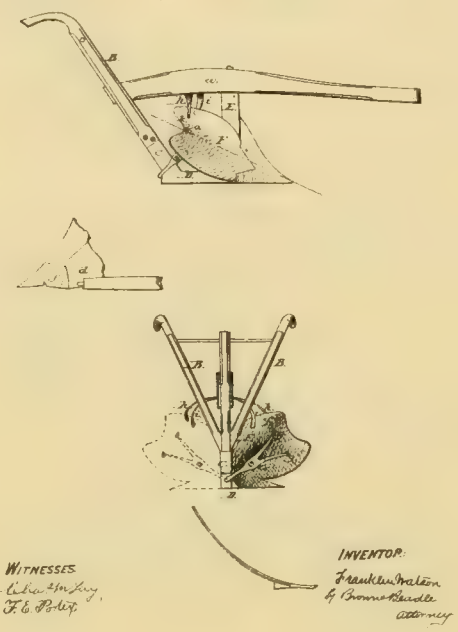
Witnesses:

Inventor:

F. Watson.

Side-Hill Plow.

No. 69,874. Patented Oct. 15, 1867.



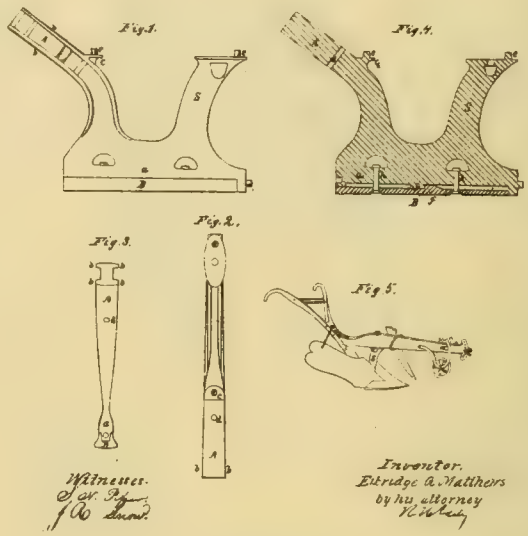
Witnesses

Inventor: Franklin Watson

E. G. Matthews.

Plow.

No. 71513 Patented Nov. 26, 1867



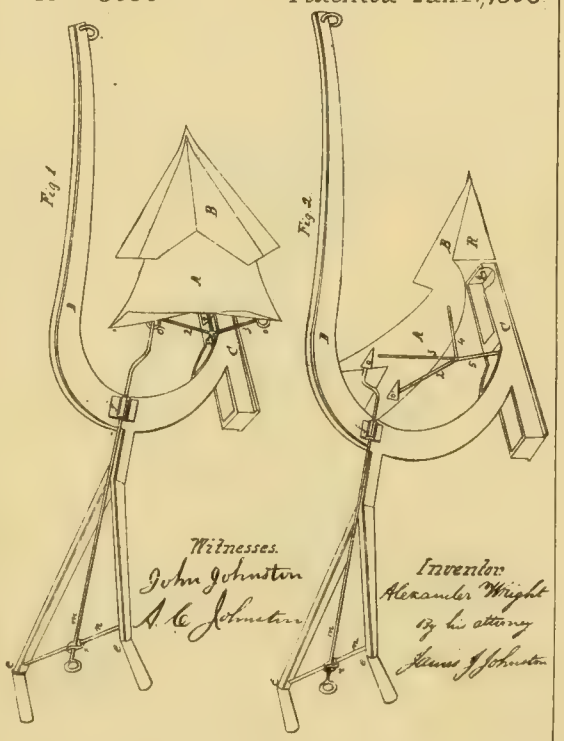
Witnesses.

Inventor. Eldridge G. Matthews by his attorney

A. Wright.

Plow.

No. 73685 Patented Jan. 21, 1868.



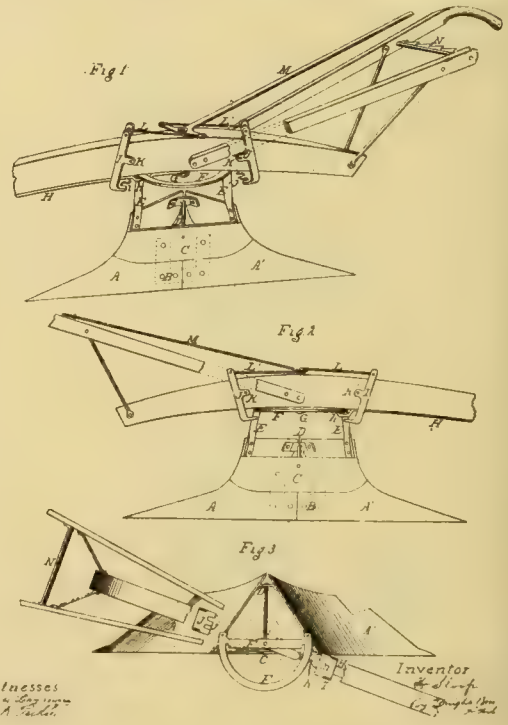
Witnesses. John Johnston A. G. Johnston

Inventor Alexander Wright by his attorney Henry J. Johnston

H. Sloop.

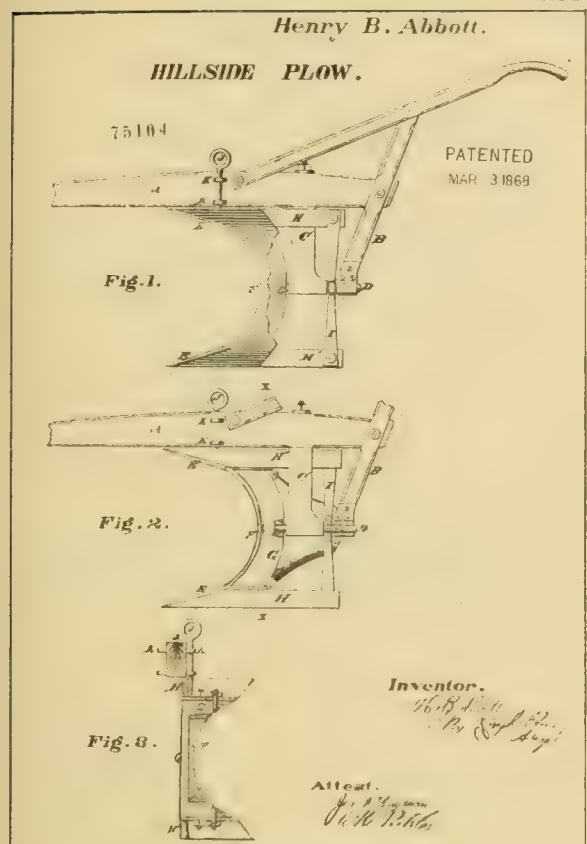
Hill-Side Plow.

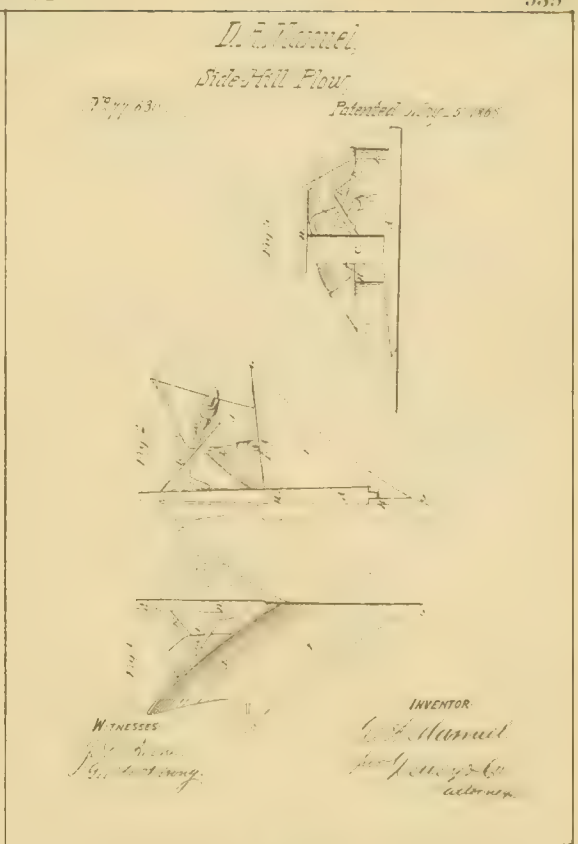
No. 73933. Patented Jan. 28, 1868

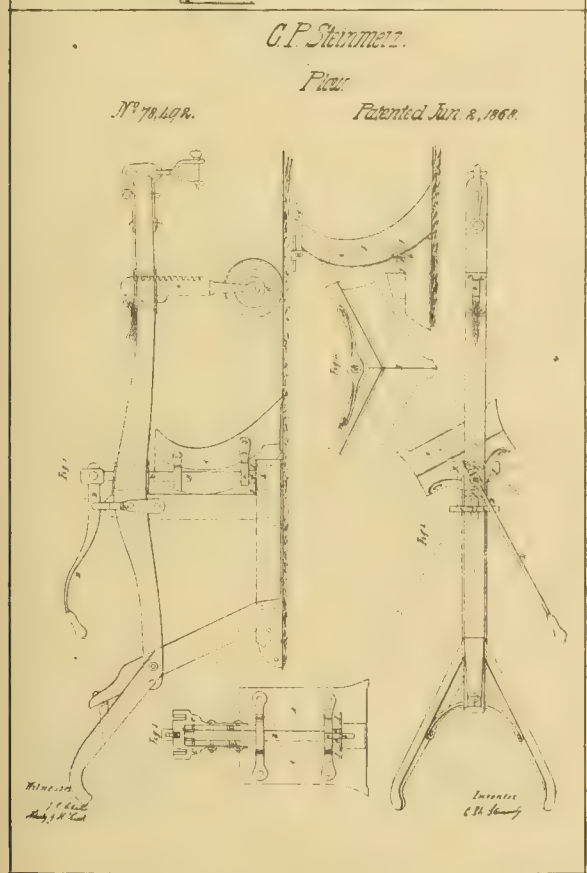


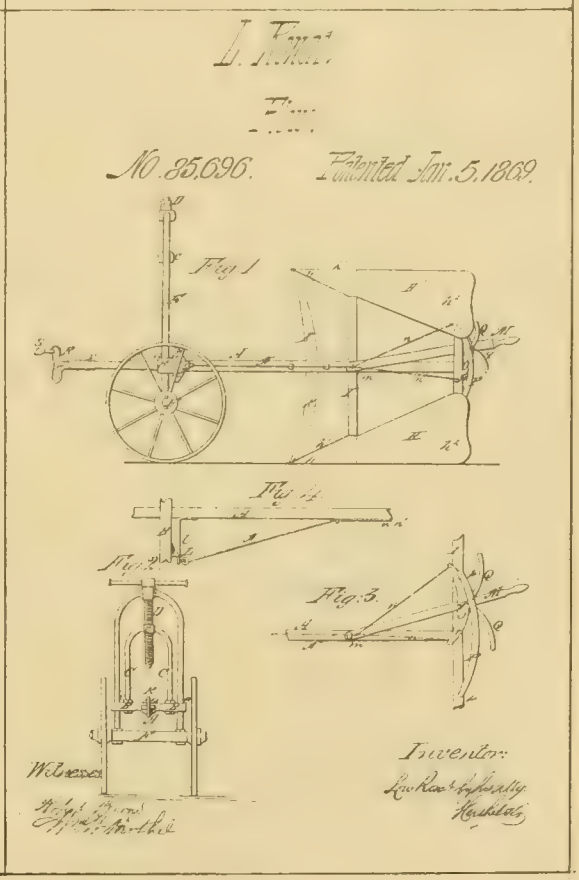
Witnesses

Inventor


Henry B. Abbott.
HILLSIDE PLOW.
75104
PATENTED
MAR 3 1868
Fig. 1.
Fig. 2.
Fig. 3.
Inventor.
Attest.


D. E. Maxwell
Side-Hill Plow
Patented
WITNESSES
INVENTOR
Attorney

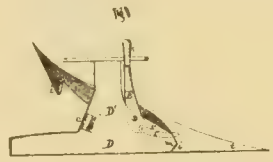

C. P. Steinmetz.
Plow.
No 78,192.
Patented Jun. 2, 1868.


No. 85,696.
Patented Jan. 5, 1869.
Fig. 1
Fig. 2
Fig. 3
Witnesses
Inventor:

D. A. Tunnel,

Side Hill Plow.

No. 85,716. Patented Jan. 12, 1869.



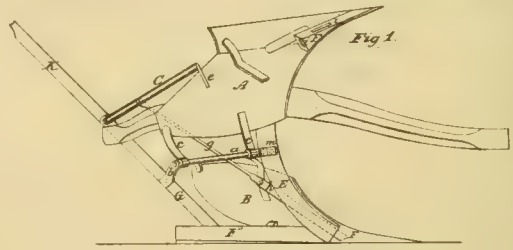
Witnesses
C. A. Brown
S. J. Rogers

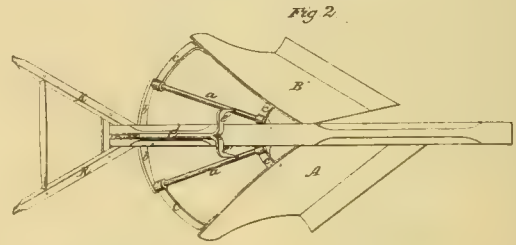
Inventor
D. A. Tunnel.
by Geo. E. Brown
Atty

I. & H. H. Seville.

Plow.

No. 89,796. Patented May 4, 1869.





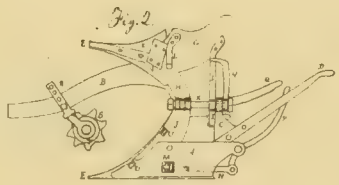
Witnesses
A. J. Dewey
Geo. H. Strong.

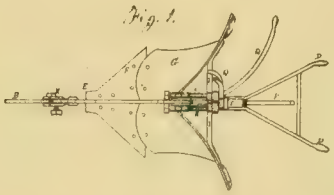
Inventors
Ives Seville
Hiram H. Seville
By Dewey & Co
Attys.

W. H. Tyler,

Plow.

No. 90,895. Patented June 1, 1869.





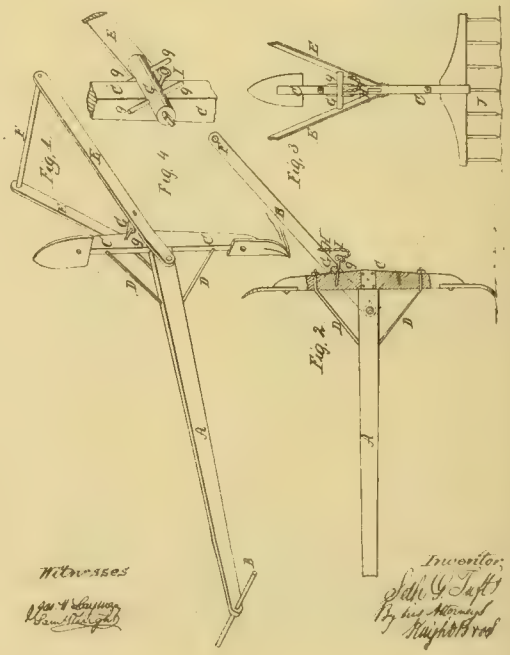
Witnesses
Wm. Dennis
W. H. Ackerman

William Harlow Tyler.
By his Atty. J. Dennis Jr.

S. G. Tufts.

Cultivator.

No. 91,497. Patented Jun. 15, 1869.



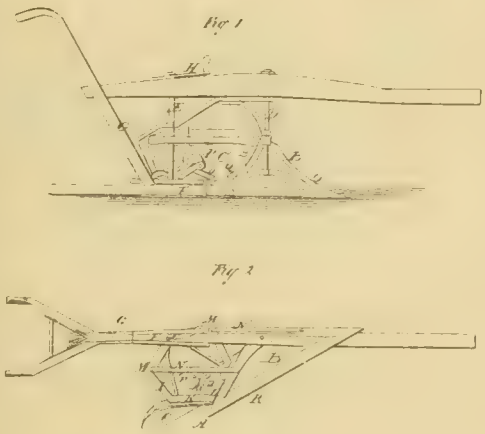
Witnesses
Geo. H. Strong
Sam. Tufts Jr.

Inventor
Seth G. Tufts
By his Attorneys
Hughes Bros

J. W. Jones,

Plow.

No. 94,001. Patented Aug. 24, 1869.



Witnesses:

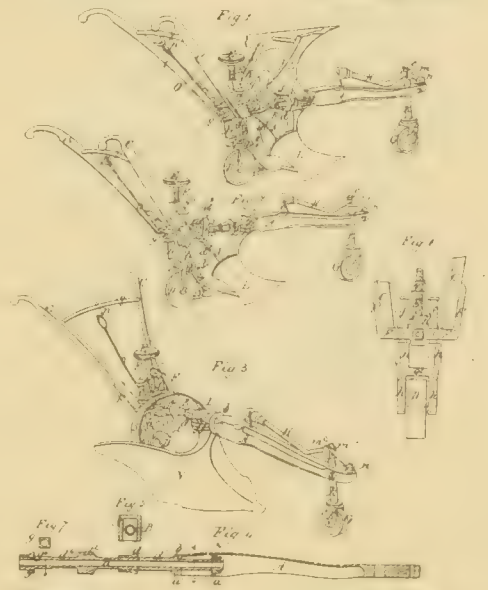
Inventor:

Attorneys

Z. W. Simpson.

Plow.

No. 97,828. Patented Dec. 14, 1869.



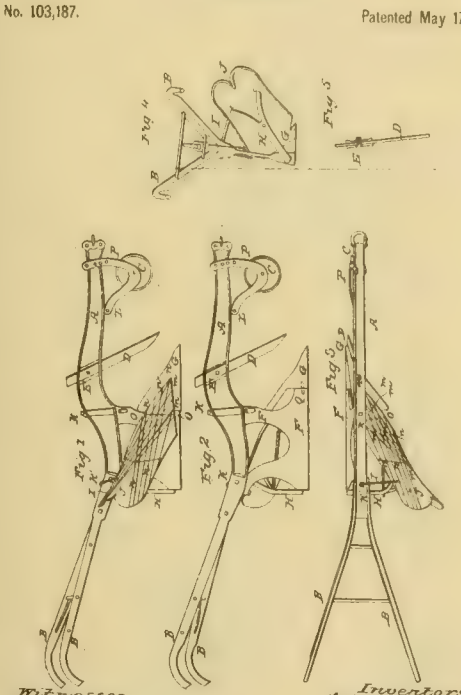
Witnesses

Inventor

HOLBROOK, HOWE & NOURSE.

Swivel Plow.

No. 103,187. Patented May 17, 1870.



Witnesses

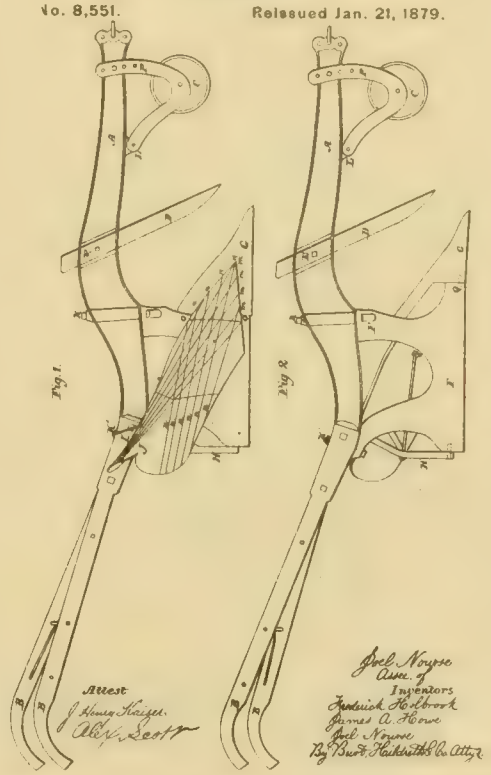
Inventors

F. HOLBROOK, J. A. HOWE & J. NOURSE,

Assignors to J. Nourse. 2 Sheets—Sheet 1

Swivel-Plow.

No. 8,551. Reissued Jan. 21, 1879.



Attest

Joel Nourse
Assee. of
Inventors

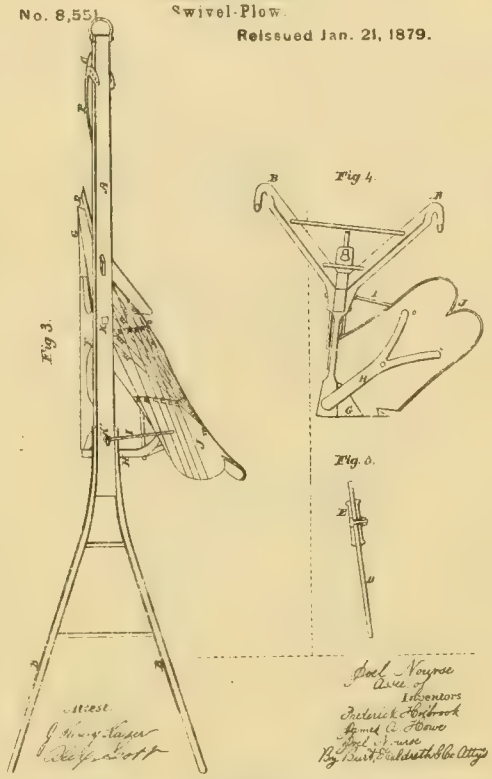
2 Sheets—Sheet 2

F. HOLBROOK, J. A. HOWE & J. NOURSE,

Assignor to J. Nourse

No. 8,551 Swivel-Plow.

Reissued Jan. 21, 1879.



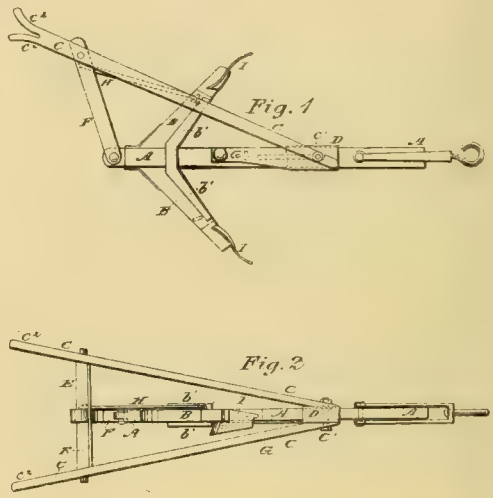
Witnesses:
J. Henry Naper
Alex. Scott

Joel Nourse
Axel J.
Inventors
Frederick Holbrook
Aymed G. Howe
Joel Nourse
By Burt, Bakewell & Co Attys

W. S. RABB.

Shovel Plow.

No. 103,777 Patented May 31, 1870



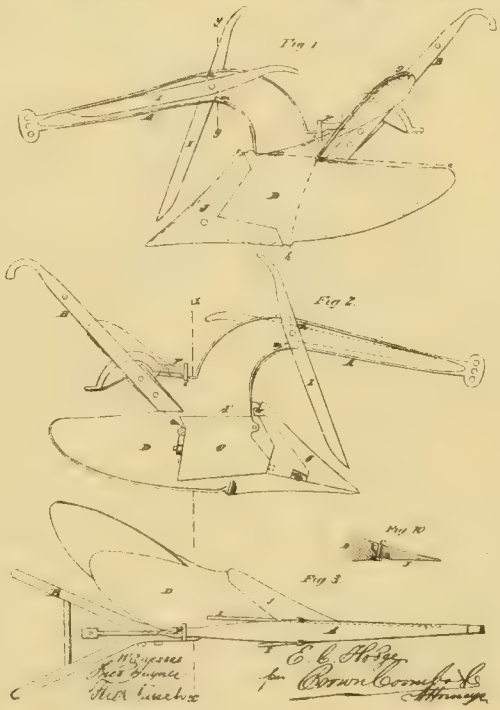
Witnesses:
A Bonnemendorf
Jno. T. Brooks

Inventor:
W. S. Rabb.
per Munn & Co
Attys

E. C. Hodge. 2 Sheets, Sheet 1.

Side Hill Plow.

No 108,907. Patented Nov. 1. 1870.



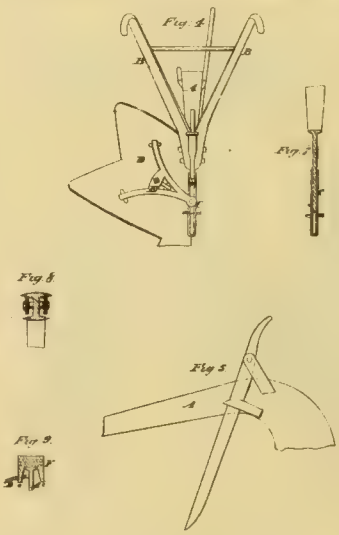
Witnesses
Fred Hayne
Fred Tuesch

E. C. Hodge
per Munn Combs & Co
Attorneys

E. C. Hodge. 2 Sheets, Sheet 2.

Side Hill Plow.

No 108,907. Patented Nov. 1. 1870.



Witnesses
Fred Hayne
Fred Tuesch

E. C. Hodge
per Munn Combs & Co

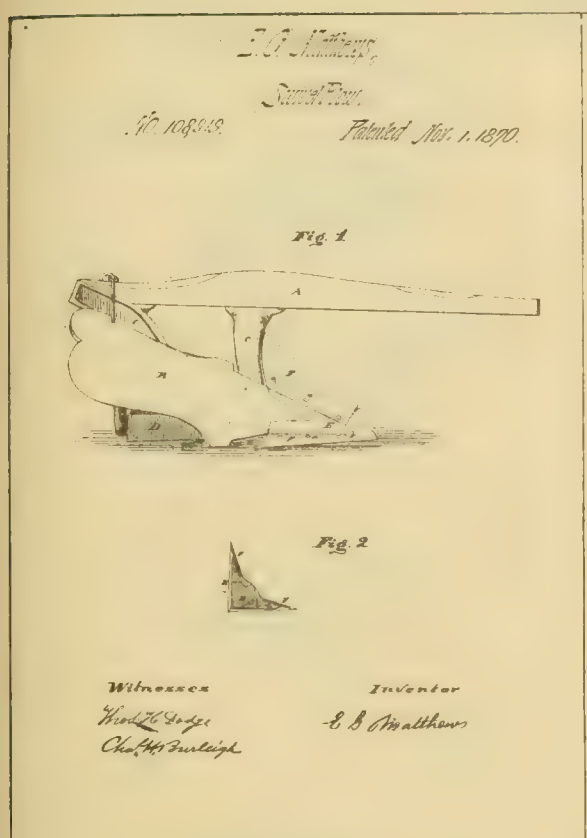
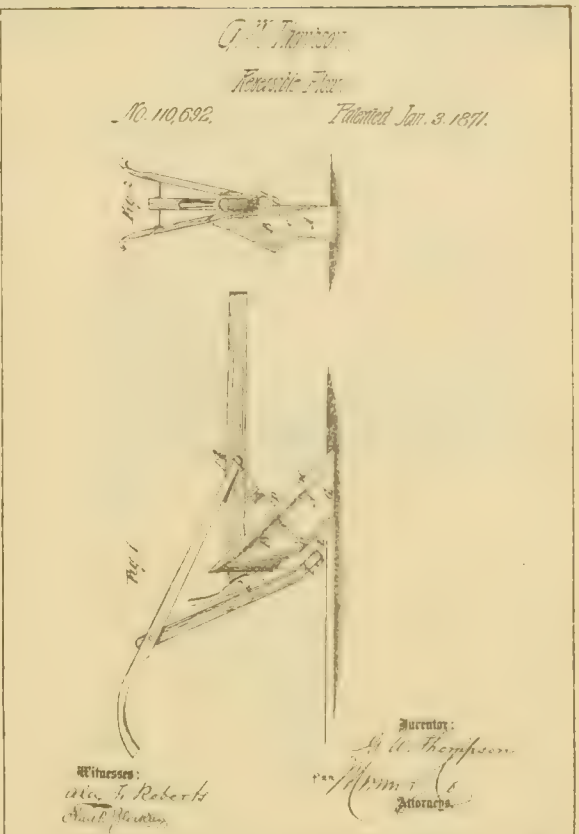
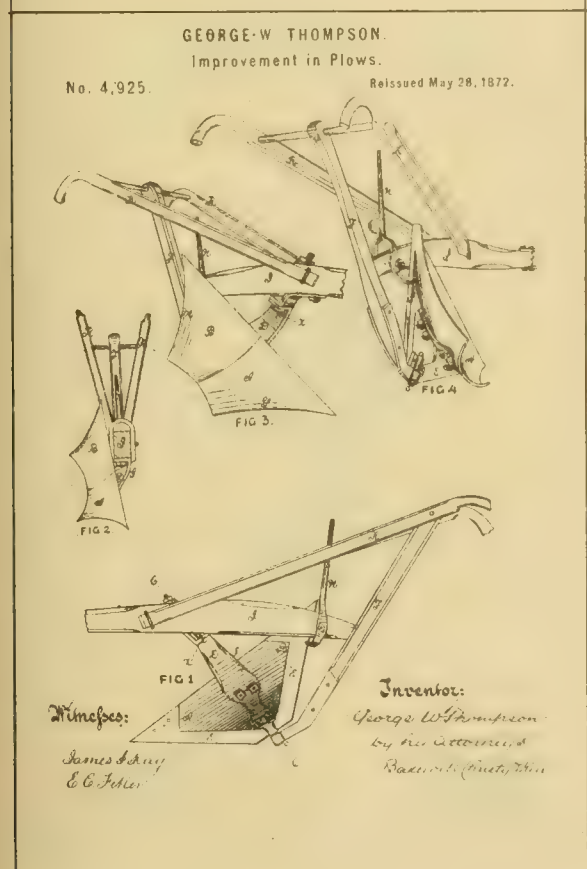


Fig. 1
Fig. 2
Witnesses
Inventor


No. 110,692.
Patented Jan. 3. 1871.
Witnesses:
Inventor:
Attorneys.


GEORGE W THOMPSON.
Improvement in Plows.
No. 4,925.
Reissued May 28, 1872.
FIG 1
FIG 2
FIG 3.
FIG 4
Witnesses:
Inventor:

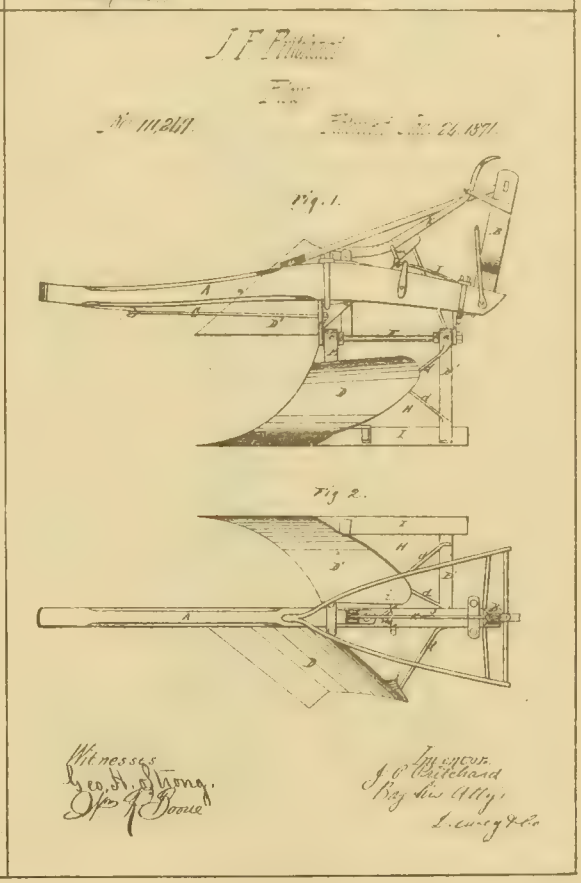


Fig. 1.
Fig 2.
Witnesses
Inventor

E. C. Hodge.

Plow Coulter.

No. 112,039. Patented Feb. 21. 1871.

Fig. 1.

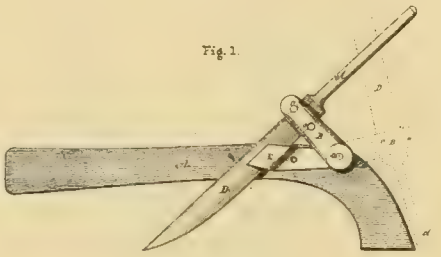


Fig. 2.

Witnesses.
J. H. Foote
S. W. Forbes

Inventor.
Ephraim C. Hodge
By J. B. Wiswall
Atty.

GEORGE W. LEONARD.

Improvement in Side-Hill Plows.

No. 116,070. Patented June 20, 1871.

Fig. 1

Fig. 2

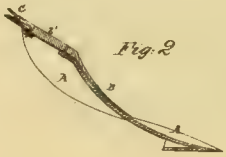


Fig. 2

Witnesses:
N. W. Humphrey
Wm. H. B. Smith

Inventor:
G. W. Leonard
Per Munn & Co
Attorneys.

Edwin Jennings. Reversible Plow.

Fig. 1 Patented Jun 27 1871

116314

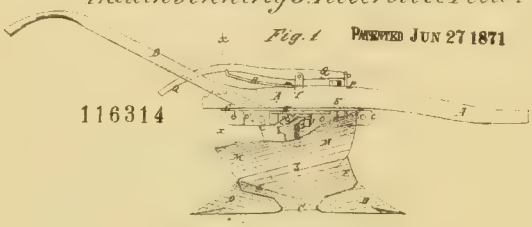


Fig. 2.

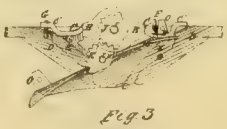


Fig. 3

Fig. 4

Witnesses
N. H. Humphrey
G. L. Marbee.

Inventor
E. Jennings
per Munn & Co
Attorneys

D. C. Day Side Hill Plow.

117054 Patented Jul. 18 1871

Fig. 1.

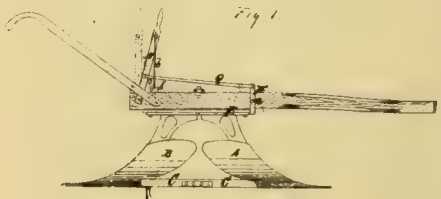
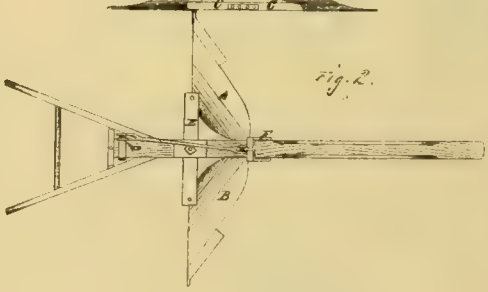


Fig. 2.



Witnesses
H. B. Lane
J. H. Hoffring.

Inventor.
Daniel C. Day
By Geo. Ott & Co
Attys

Fig. 1.

Fig. 2.

Charles B. Pettengill.
Reversible or Side Hill Plow.
Patented Aug 15 1871

118049 Fig 1

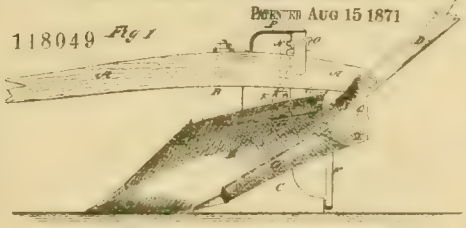


Fig 2

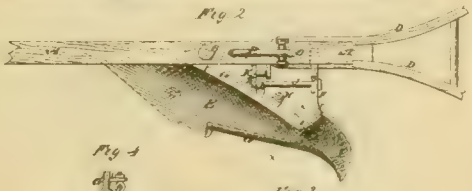


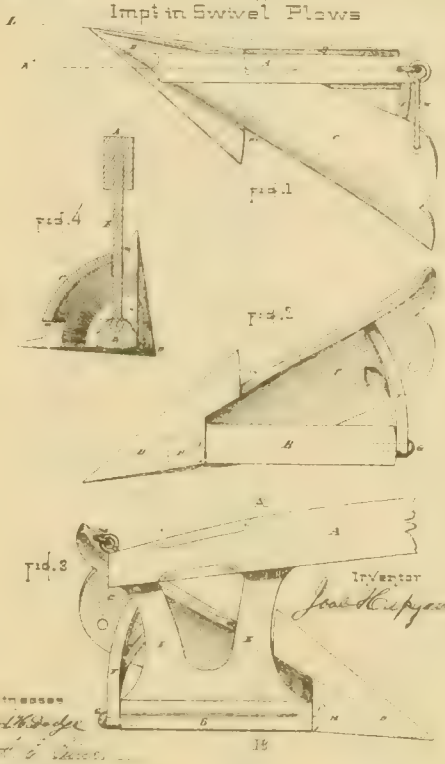
Fig 4

Fig 3

Witnesses:
E. Hegl
Wm. H. C. Smith Jr.

Inventor:
Charles B. Pettengill
Per Munn & Co
Attorneys.

No. 118,932. Joab Hapgood's Patented Sep. 12, 1871.
Impt in Swivel Plows



Inventor
Joab Hapgood

Witnesses
Mark W. Dodge
T. J. Dodge

WILLIAM W. SPEER.
Improvement in Combined Sub-soil Drill and Hill-side Plows.
No. 119,423. Patented Sep. 26, 1871.

Fig 1

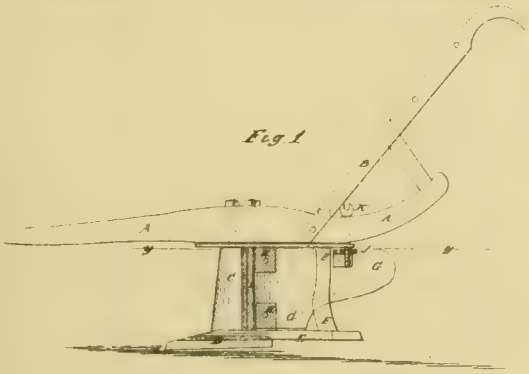
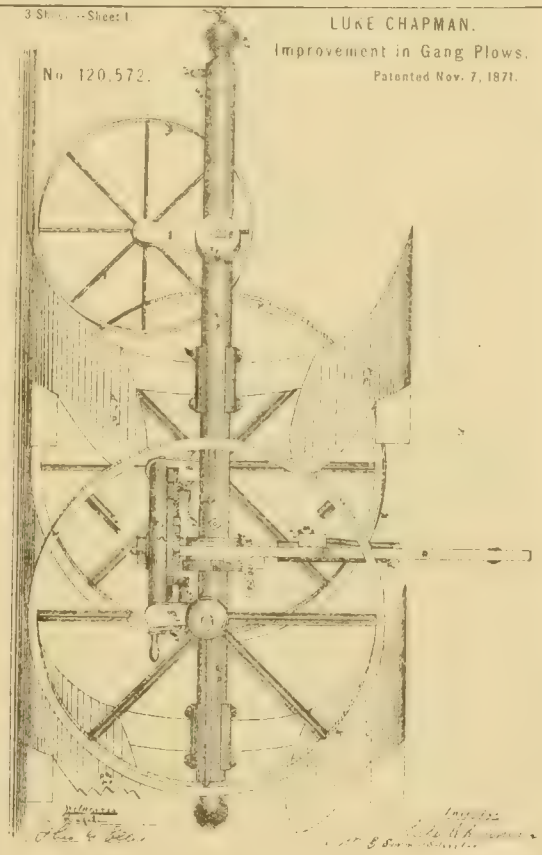


Fig 2

Witnesses:
A. W. Almquist
Francis McCrea

Inventor:
William W. Speer
Per Munn & Co
Attorneys.

3 Sheets--Sheet 1.
No. 120,572.
LUKE CHAPMAN.
Improvement in Gang Plows.
Patented Nov. 7, 1871.



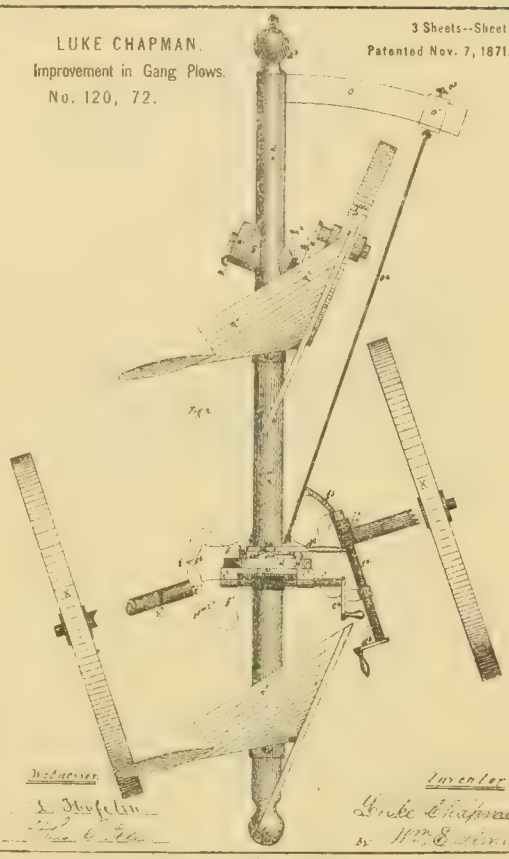
LUKE CHAPMAN.

Improvement in Gang Plows.

No. 120, 72.

3 Sheets--Sheet 2.

Patented Nov. 7, 1871.



Witnesses

Inventor

Luke Chapman

by Wm. E. Simonds

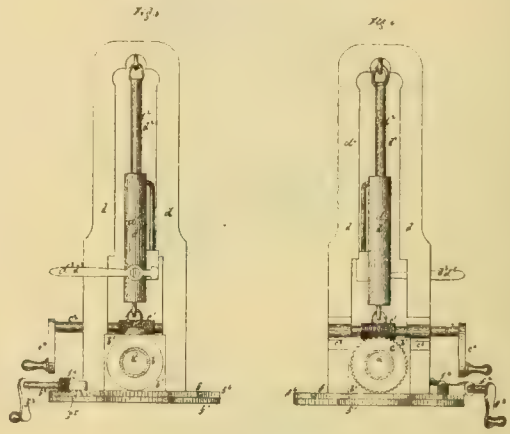
LUKE CHAPMAN.

Improvement in Gang Plows.

No. 120,572.

3 Sheets--Sheet 3.

Patented Nov. 7, 1871.



Witnesses

Inventor

Luke Chapman

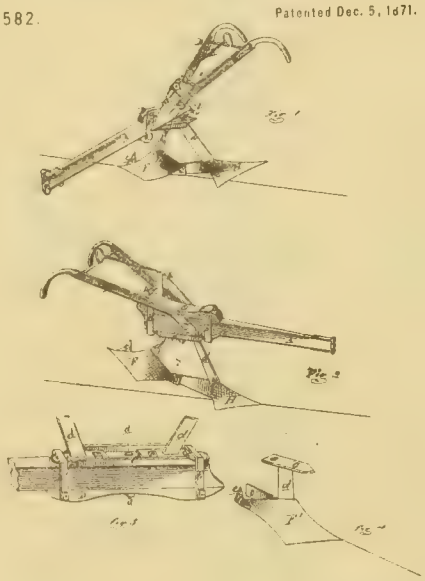
by Wm. E. Simonds

J. BUTLER.

REVERSIBLE DOUBLE PLOW

No. 121,582.

Patented Dec. 5, 1871.



WITNESSES:

INVENTOR

John Butler

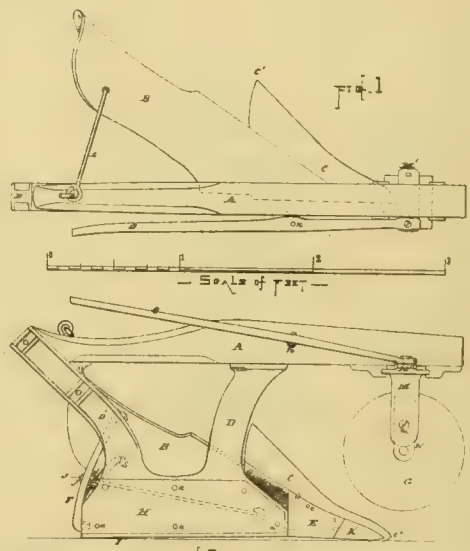
E. G. MATTHEWS.

Improvement in Plows.

No. 123,272.

2 Sheets--Sheet 1.

Patented Jan. 30, 1872.



Witnesses

Inventor

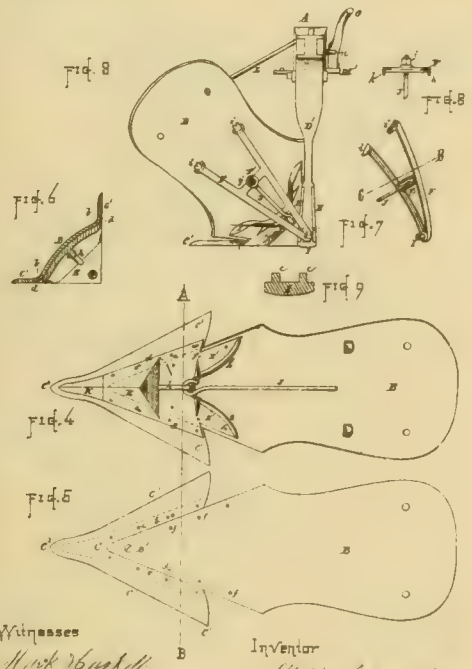
Elbridge G. Matthews

2 Sheets--Sheet 2.

E. G. MATTHEWS.

Improvement in Plows.

No. 123,272. Patented Jan. 30. 1872



Witnesses
Mark Bennett
E. M. Clark

Inventor
Elbridge G. Matthews

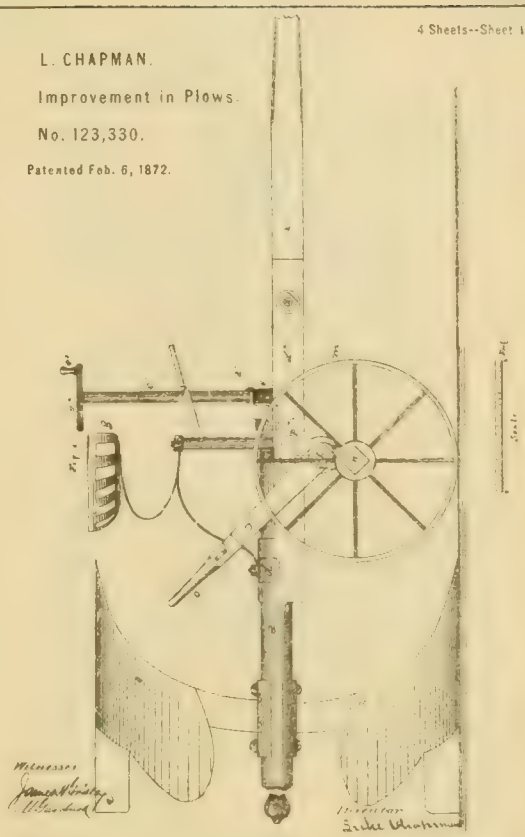
4 Sheets--Sheet 1

L. CHAPMAN.

Improvement in Plows.

No. 123,330.

Patented Feb. 6, 1872.



Witnesses
James H. Bailey
M. Gardner

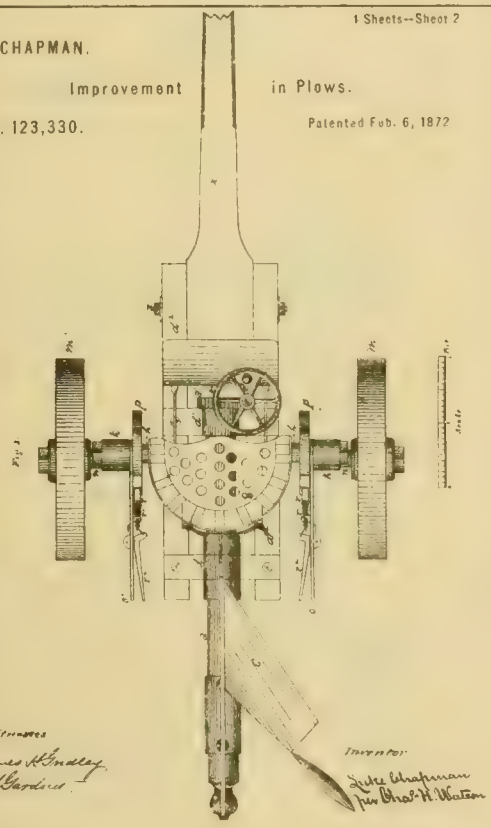
Inventor
Luke Chapman

1 Sheets--Sheet 2

L. CHAPMAN.

Improvement in Plows.

No. 123,330. Patented Feb. 6, 1872



Witnesses
James H. Bailey
M. Gardner

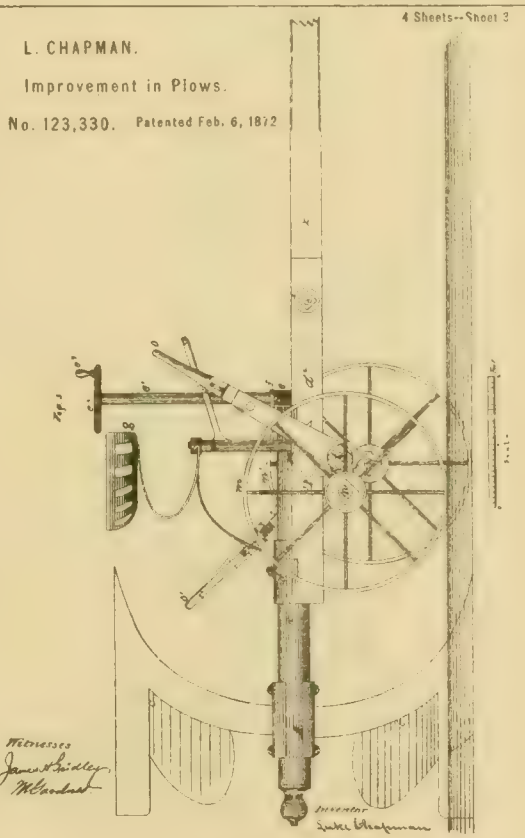
Inventor
Luke Chapman
per Chas. H. Watson

4 Sheets--Sheet 3

L. CHAPMAN.

Improvement in Plows.

No. 123,330. Patented Feb. 6, 1872



Witnesses
James H. Bailey
M. Gardner

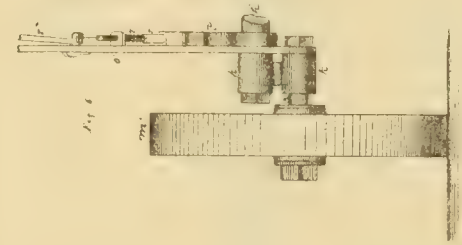
Inventor
Luke Chapman

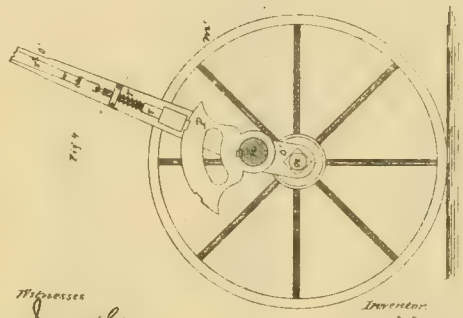
4 Sheets--Sheet 4.

L. CHAPMAN.

Improvement in Plows.

No. 123,330. Patented Feb. 6, 1872.





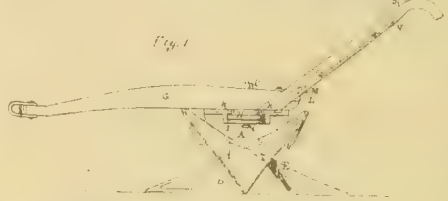
Witnesses
James A. Lindsley
M. Gardner

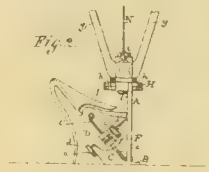
Inventor
Luke Chapman
per. Chas. H. Walton

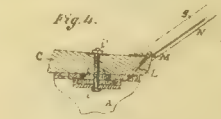
BENJAMIN F. BAKER.

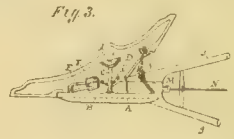
Improvement in Plows.

No. 126,865. Patented May 21, 1872.









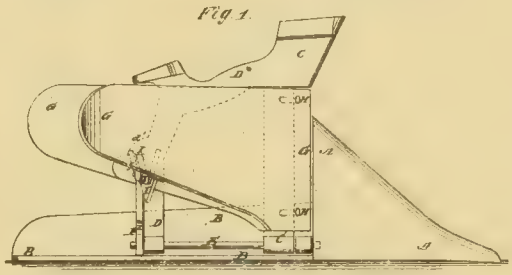
Witnesses
C. Green
C. F. Stuart

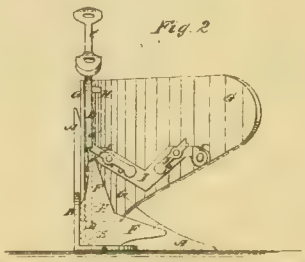
Inventor
Benjamin F. Baker
by A. McCallum
Atty.

JOHN S. HALL.

Improvement in Plows.

No. 126,952 Patented May 21, 1872.





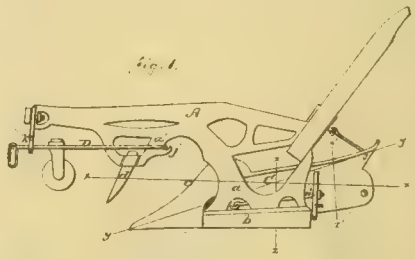
Witnesses:
E. Wiggy
W. A. Graham

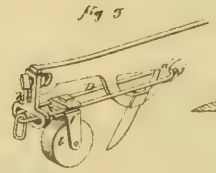
Inventor:
John S. Hall
Per. Munn & Co.
Attorneys.

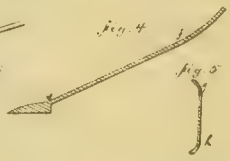
A. SANBORN.

Improvement in Plows.

No. 127,372. Patented May 28, 1872.







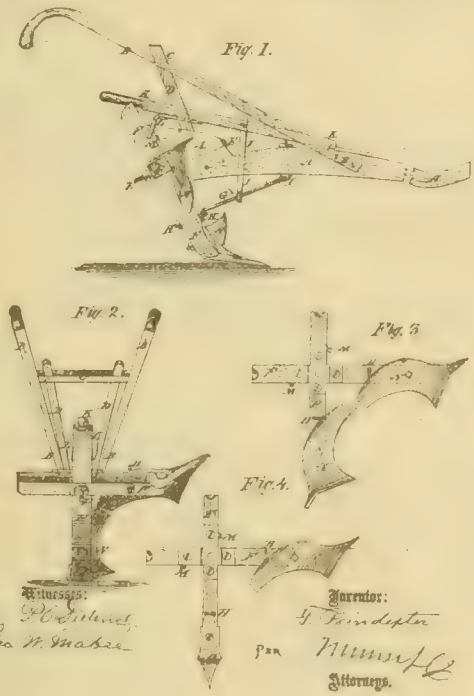
Witnesses
A. Bendy
J. E. Brown

Inventor
Augustus Sanborn
by Geo. E. Brown.
Atty.

F. POINDEXTER.

Improvement in Plows.

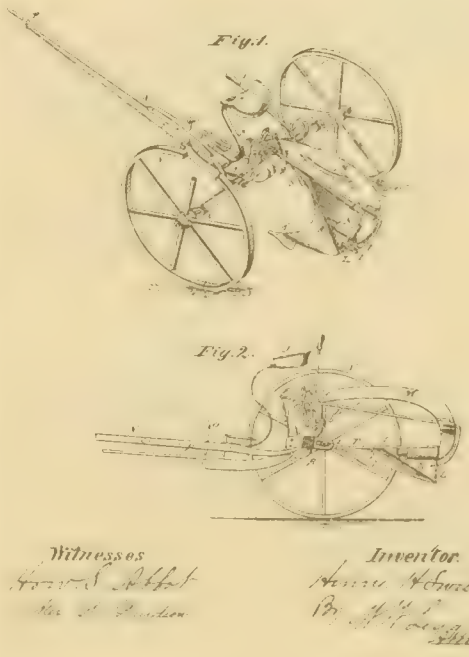
No. 129,054. Patented July 16, 1872.



H. H. SWEETLAND.

Improvement in Plows.

No. 130,882. Patented Aug. 27, 1872

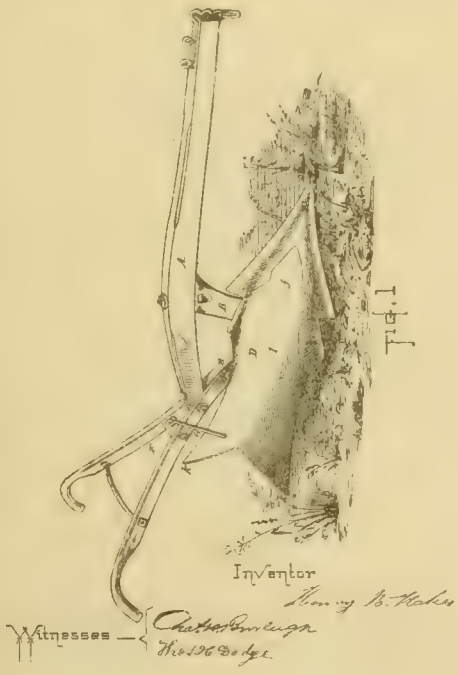


2 Sheets--Sheet 1.

H. B. HAKES.

Improvement in Plows.

No. 131,679. Patented Sep. 24, 1872.

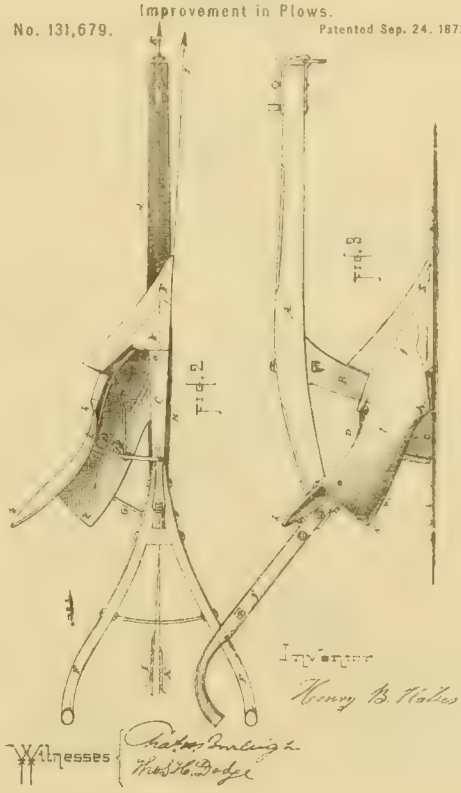


2 Sheets--Sheet 2.

H. B. HAKES.

Improvement in Plows.

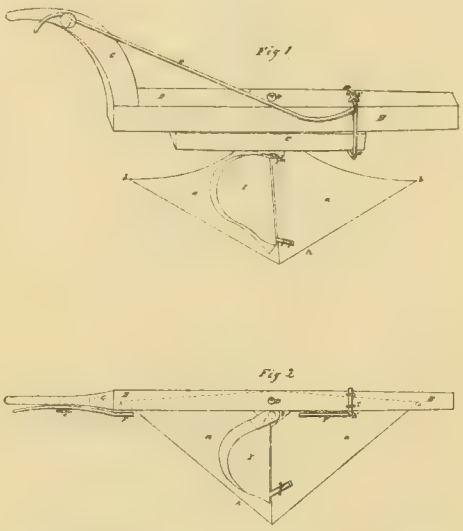
No. 131,679. Patented Sep. 24. 1872.



T. J. BURGESS.

Plows.

No. 133,517 Patented Dec. 3, 1872.



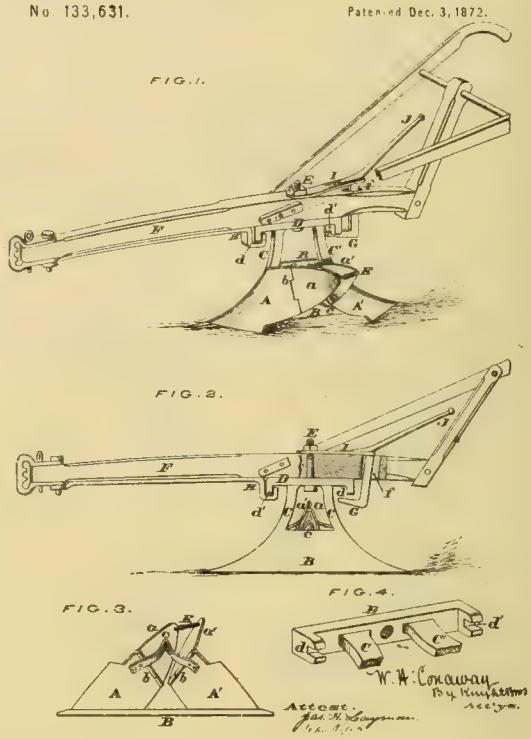
Witnesses.
Melville E. Dayton
Ingersoll Lockwood.

Thomas J. Burgess
Per James A. Whitney
Atty

W. H. CONAWAY.

Plows.

No. 133,631. Patented Dec. 3, 1872.



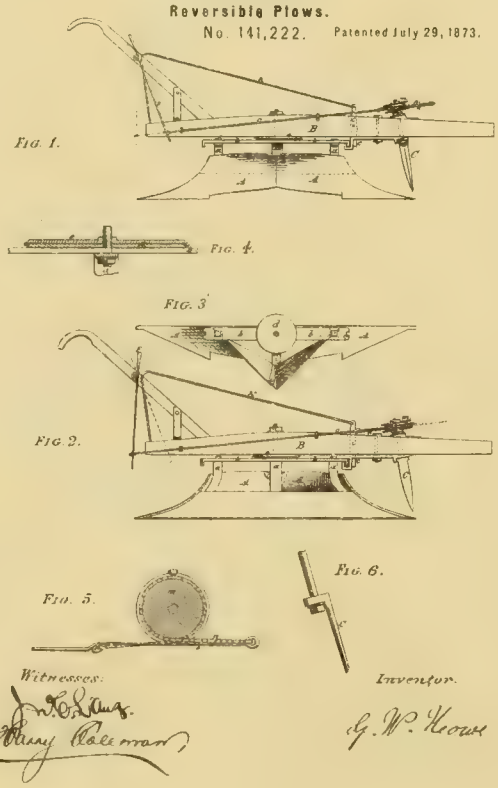
W. H. Conaway
By Knight Bros
Attys.

Witness:
Jas. H. Layman
H. A. Wise

G. W. HOWE.

Reversible Plows.

No. 141,222. Patented July 29, 1873.



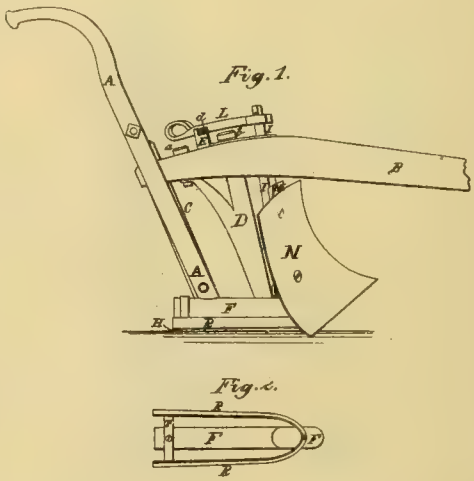
Witnesses:
J. W. Ellis
Henry Bellman

Inventor.
G. W. Howe

A. ANSCHUTZ, A. SEIDEL & M. WEBER.

Plows.

No. 144,308. Patented Nov. 4, 1873.

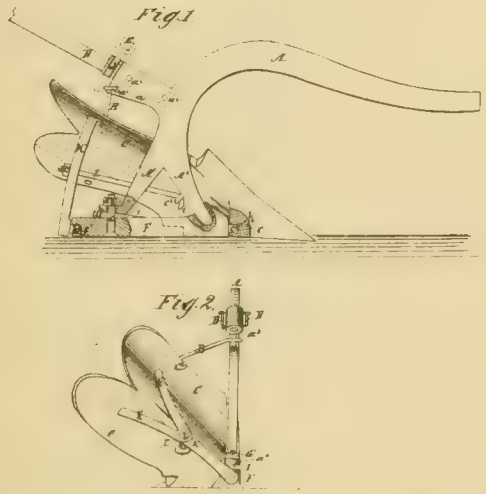


Witnesses.
A. Moore
H. S. Miller

Inventors
August Anschutz
Anton Seidel
Michael Weber
By Geo. Cox Attys.

J. S. HALL.
Plows.

No 144 760. Patented Nov. 18. 1873

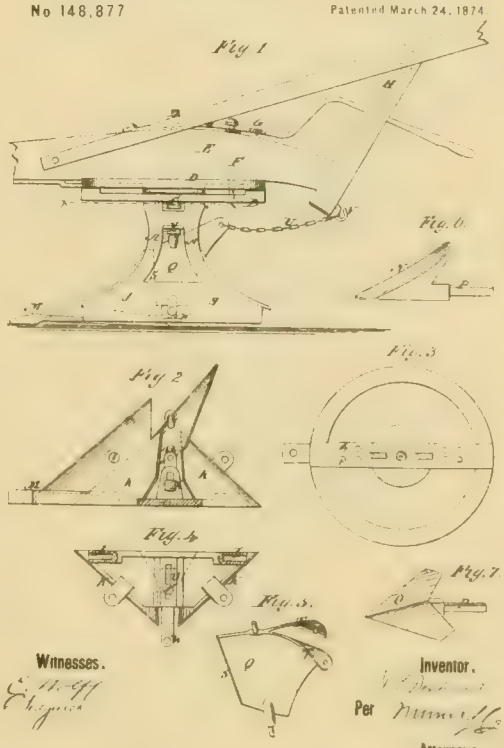


Witnesses.
G. Martin
Colon C. Kenyon

Inventor.
John S. Hall
Per
Attorneys.

J. P. DEXHEIMER.
Reversible Plows.

No 148,877 Patented March 24. 1874.

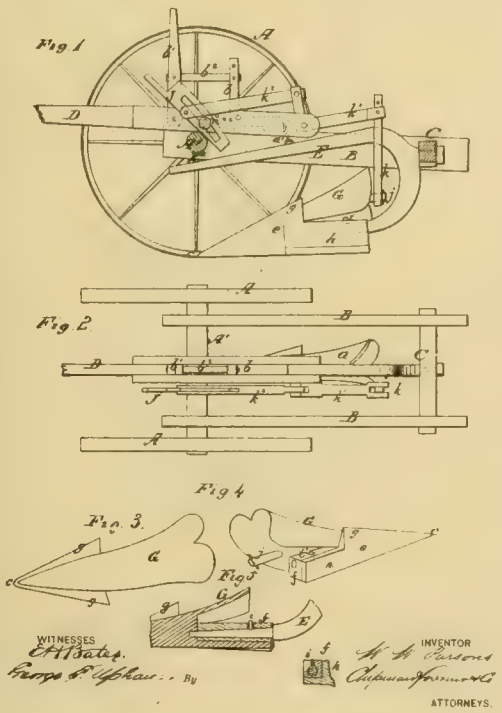


Witnesses.

Inventor.
Per
Attorneys.

W. W. PARSONS.
Wheel Plows.

No. 151,617. Patented June 2. 1874.

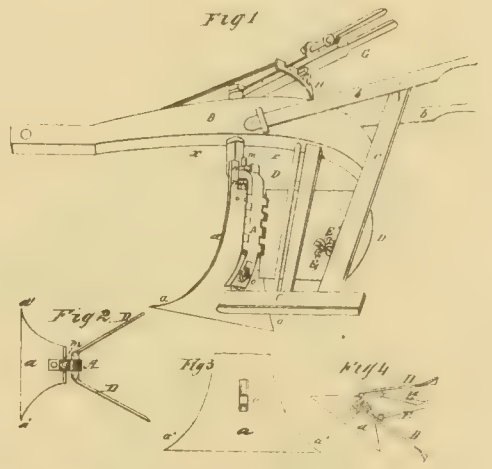


WITNESSES
E. H. Bates.
George F. Upham. By

INVENTOR
W. W. Parsons
Chipman & Forman & C.
ATTORNEYS.

J. HARTMANN
Plows.

No. 151,776. Patented June 9, 1874.

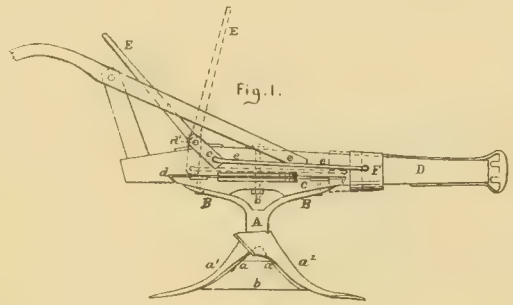


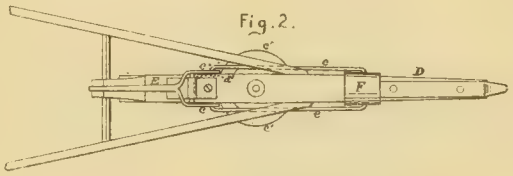
Witnesses
Geo. C. Hartman

Inventor
Per
Attorney

W. WARLICK.
Plows.

No. 152,886. Patented July 7, 1874.



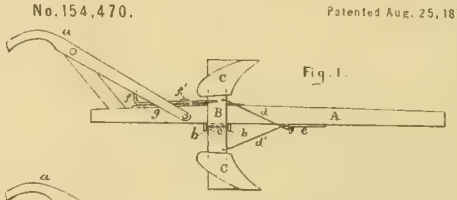


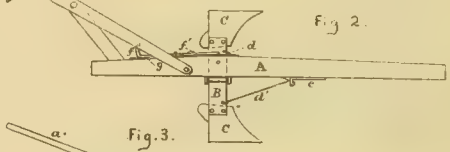
Witnesses:
G. B. Fowler
A. F. Lucey

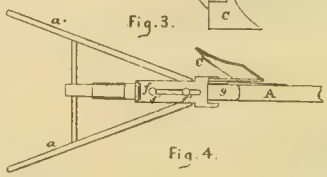
Inventor:
Williamson Warlick
By W. Burris Atty.

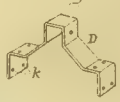
C. E. FULK & J. J. GOOD.
Plows.

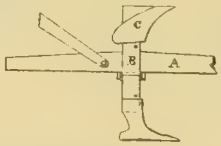
No. 154,470. Patented Aug. 25, 1874.

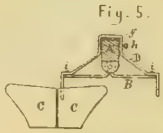










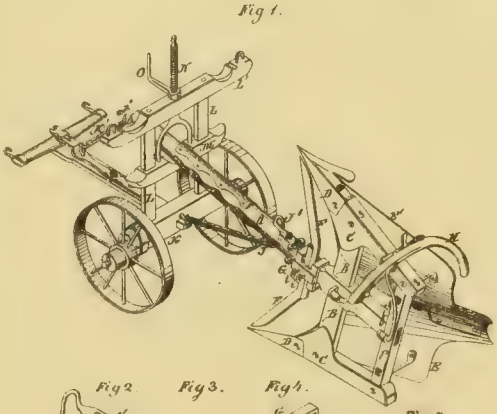


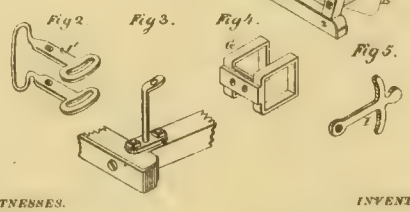
Witnesses:
H. A. Daniels
Carroll Webster

Inventors:
Columbus E. Fulk
Joshua J. Good
by W. H. W. J. Howard
their Attorneys.

F. BIEKER.
Plows.

No. 156,123. Patented Oct. 20, 1874.





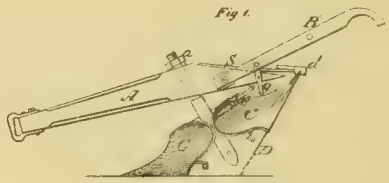
WITNESSES.
J. P. Theodore Lang.
C. L. Evert.

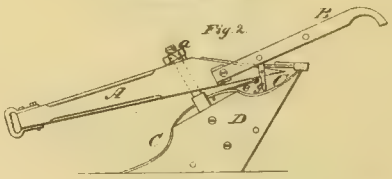
INVENTOR
F. Bieker.
by Alexander Mason
Attorneys.

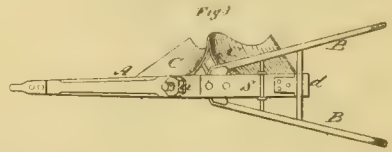
2 Sheets--Sheet 1.

L. L. IVERSON.
Side-Hill Plows.

No 157,130. Patented Nov. 24, 1874.







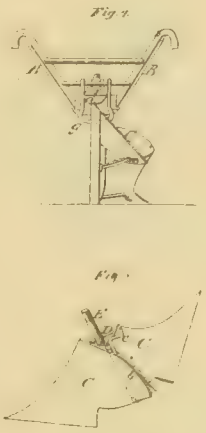
Witnesses
H. C. Hollingshead
E. F. Bates

Inventor
Lewis L. Iverson
by Lemuel Iverson & Co.
Attorneys.

2 Sheets--Sheet 2

L. L. IVERSON.
Side-Hill Plows.

No 157,130. Patented Nov. 24, 1874.

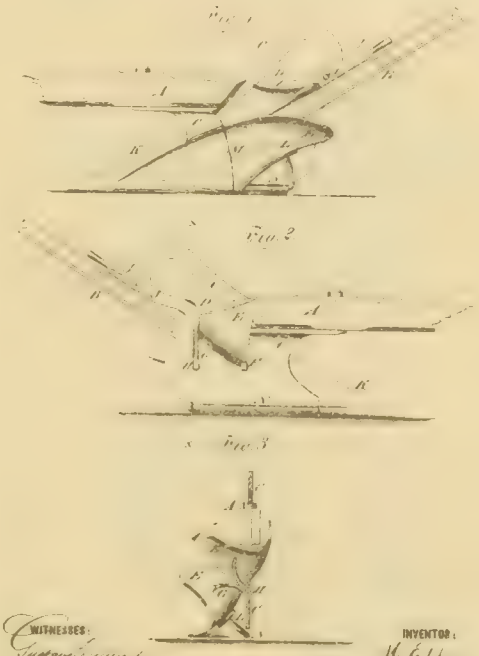


Witnesses
C. E. Hughead
E. H. Yates

Inventor
Lewis L. Iverson
Chipman & Somers & Co.
Attys.

M. ELLIS.
Side-Hill Plows.

No. 157,200. Patented Nov. 24, 1874.

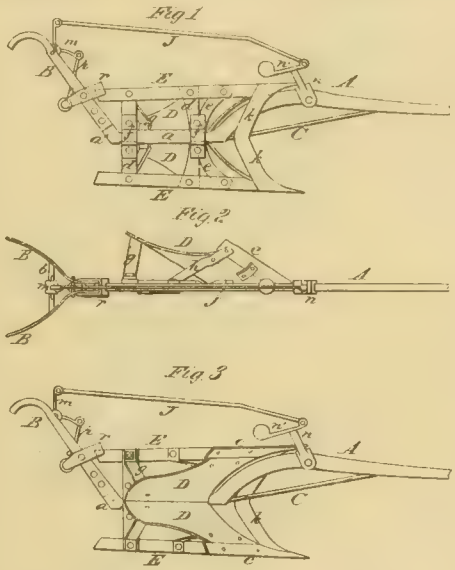


WITNESSES:
Gustave Lemcke
R. F. Temp

INVENTOR:
M. Ellis
BY
Munn & Co.
ATTORNEYS.

T. PARKER.
Plows.

No. 157,539. Patented Dec. 8, 1874.

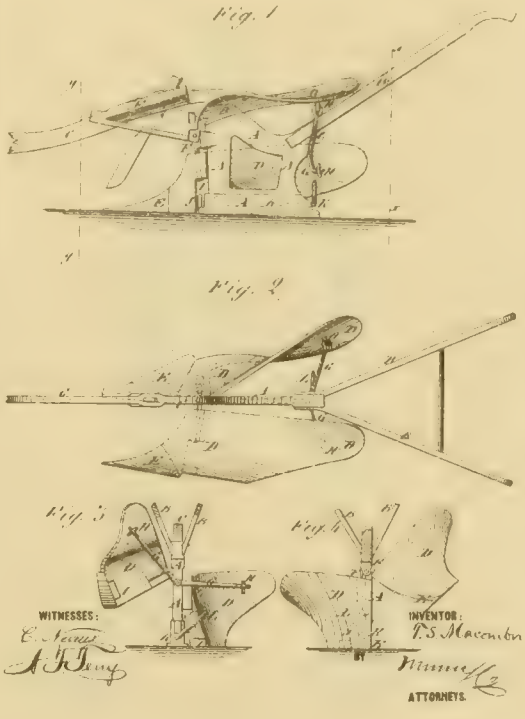


WITNESSES
E. H. Yates
Robert Everett

INVENTOR
Thomas Parker
Chipman & Somers & Co.
ATTORNEYS

T. S. MACOMBER
Plow

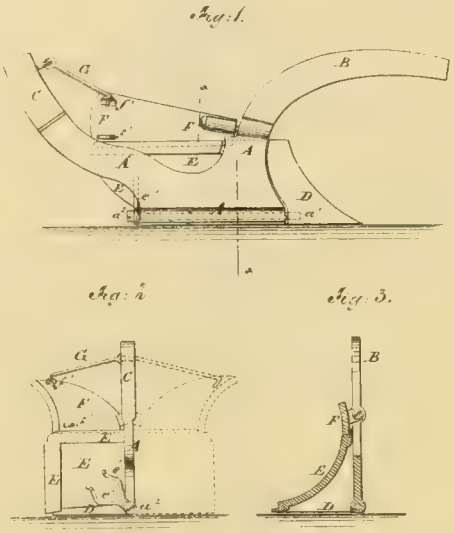
No 159,338 Patented Feb. 2, 1875



WITNESSES:
C. Neau
R. F. Temp

INVENTOR:
T. S. Macomber
Munn & Co.
ATTORNEYS.

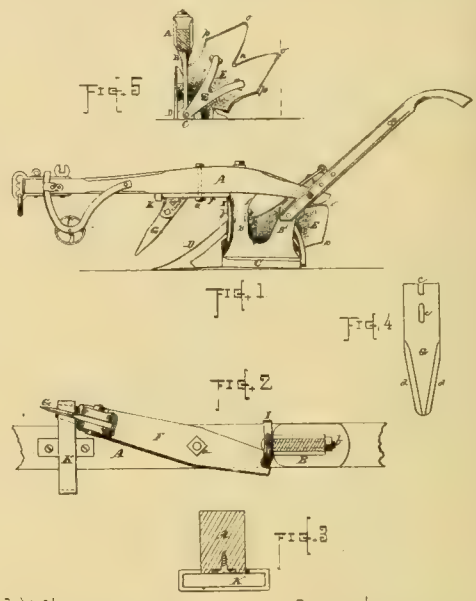
C. H. STRATTON.
Side-Hill Plow.
No. 160,625 Patented March 9, 1875.



WITNESSES:
Chas. Hill
A. H. Terry

INVENTOR:
Chas. H. Stratton
BY
ATTORNEYS.

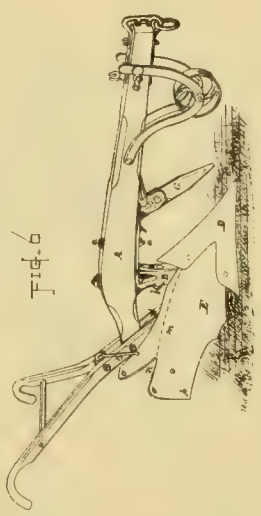
2 Sheets--Sheet 1.
J. HAPGOOD.
Swivel-Plow.
No. 163,589 Patented May 25, 1875.



Witnesses
Chas. Barleigh
Albert C. Parker

Inventor
Jonathan Hapgood

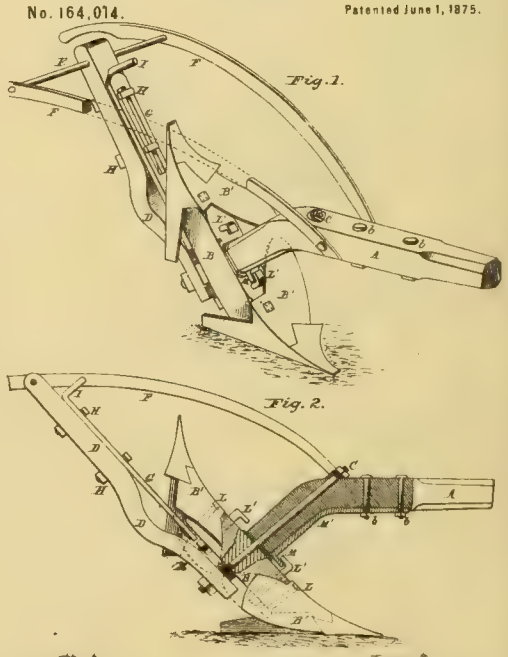
2 Sheets--Sheet 2.
J. HAPGOOD.
Swivel-Plow.
No. 163,589. Patented May 25, 1875.



Witnesses.
Chas. Barleigh
Albert C. Parker

Inventor.
Jonathan Hapgood

J. McCABE.
Reversible Plow.
No. 164,014. Patented June 1, 1875.



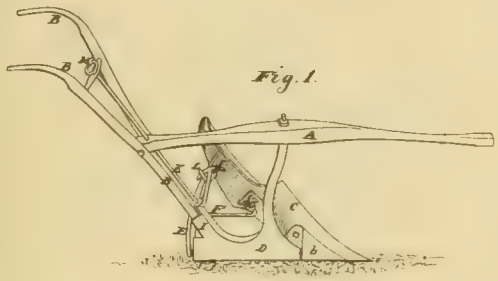
Attest:
Jno. S. Crowe
W. H. Norris.

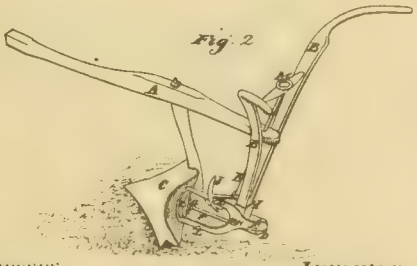
Inventor.
James McCabe
By James L. Norris
Atty

H. I. KNAPP.

Side-Hill Plow.

No. 167,402. Patented Sept. 7, 1875.





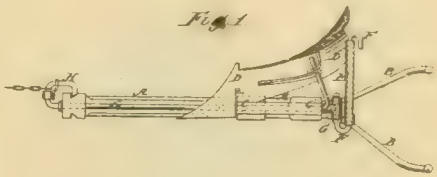
Witnesses
Jno L Drone
E. M. Richardson

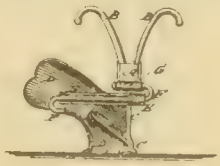
Inventor
Robert Dorsey Knapp
by Bruce & Co.
his attys

M. R. HUBBELL.

Reversible Plow.

No. 168,157. Patented Sept. 28, 1875.





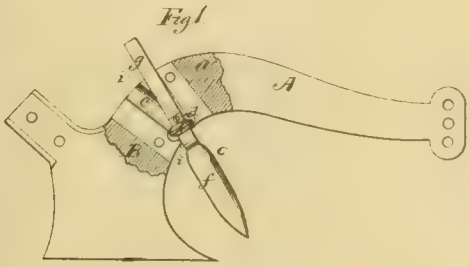
WITNESSES:
E. Noff
A. F. Terry

INVENTOR:
M. R. Hubbell
BY Munn & Co.
ATTORNEYS.

F. & J. H. CULVER.

COLTER.

No. 169,678. Patented Nov. 9, 1875.



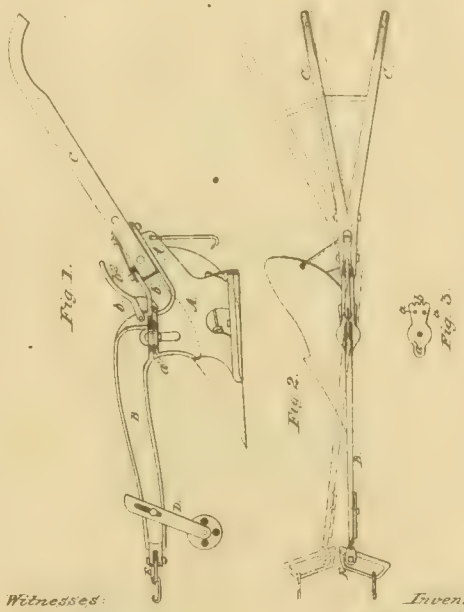
WITNESSES
Robert Everitt
W. C. Adamson

INVENTORS
F. Culver
J. Hudson H. Culver
Munn & Co.
ATTORNEYS.

J. NEFF, Jr.

SIDE-HILL PLOW.

No. 172,928. Patented Feb. 1, 1876.



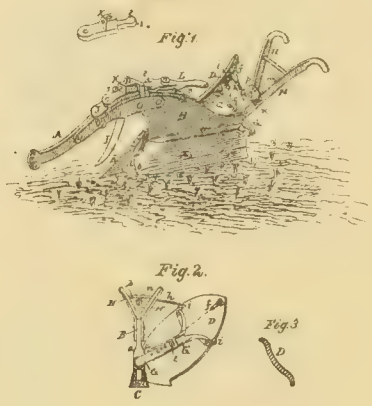
Witnesses:
John S. Sims
Charles Hotchkiss

Inventor:
John Neff Jr.

S. H. WRISLEY.

SIDE-HILL PLOW.

No. 176,729. Patented April 25, 1876.



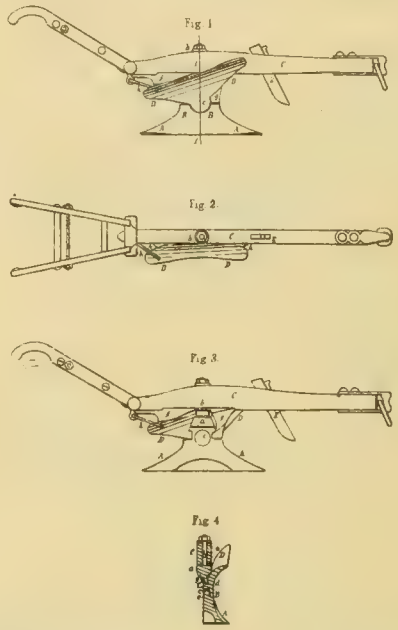
WITNESSES
Henry N. Miller
S. P. Hollingsworth

INVENTOR
S. H. Wrisley
Alexander Minor
Attorneys

H. F. & G. F. SHAW.

SIDE-HILL PLOW.

No. 177 080 Patented May 9, 1876.



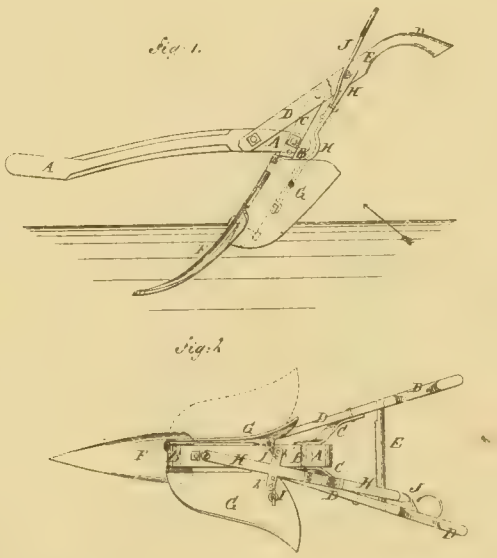
Witnesses:
W. E. B. Finck
H. W. Brocker

Inventors;
Henry F. Shaw
George F. Shaw
per
Edw. Dumont
Atty.

W. I. GOSSETT & J. P. STARK.

PLOW.

No. 177,503 Patented May 16, 1876.



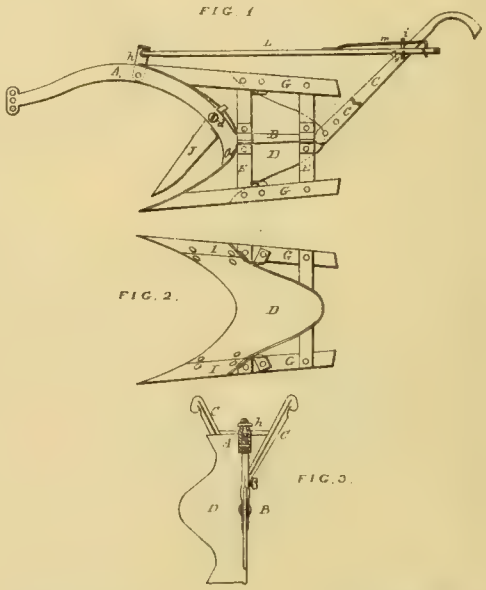
WITNESSES:
Chas. Nutt
John Goethals

INVENTOR:
W. I. Gossett
J. P. Stark
By
Munn & Co
ATTORNEYS.

T. PARKER & J. DOWNING.

PLOW.

No. 177,955 Patented May 30, 1876.



WITNESSES
Nathl. Everett
George E. Upham

INVENTORS
Homer Parker
Jesse Downing
Munn & Co.
ATTORNEYS

J. HARTMANN.
REVERSIBLE PLOWS.
No. 180,713. Patented Aug. 8. 1876.

Fig. 1.

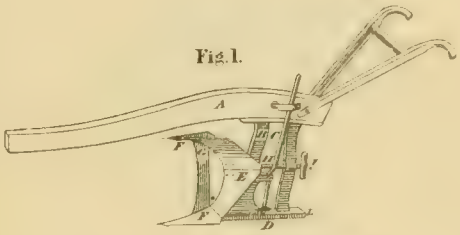
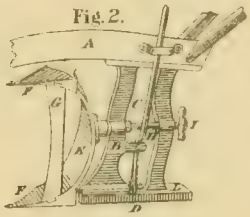


Fig. 2.



WITNESSES.
Frank Pardee
Charles Swetner

INVENTOR.
Julius Hartmann
by J. S. Herron
attorney

6 Sheets—Sheet 1.
B. B. HAWSE.
FURROW-GAGE.
No. 183,162. Patented Oct. 10. 1876.

Fig 2

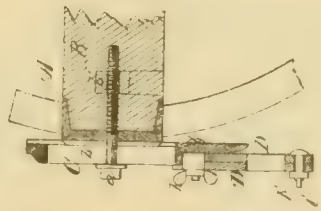
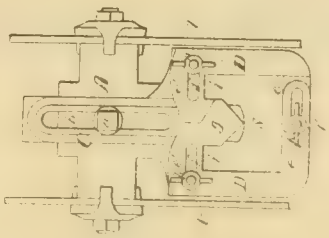


Fig 1



WITNESSES
E. H. Bates
E. W. Adamson

INVENTOR
Benjamin B. Hawse
Chipman Hosmer & Co.
ATTORNEYS

6 Sheets—Sheet 2.
B. B. HAWSE.
FURROW-GAGE.
No. 183,162. Patented Oct. 10. 1876.

Fig 5

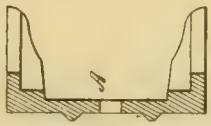
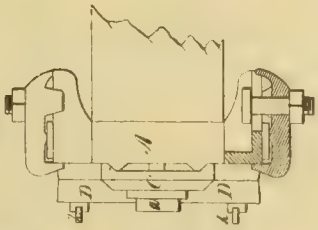


Fig 4

Fig 3



WITNESSES
E. H. Bates
Eugene W. Adamson

INVENTOR
Benjamin B. Hawse
Chipman Hosmer & Co.
ATTORNEYS

6 Sheets—Sheet 3.
B. B. HAWSE.
FURROW-GAGE.
No. 183,162. Patented Oct. 10. 1876.

Fig 6

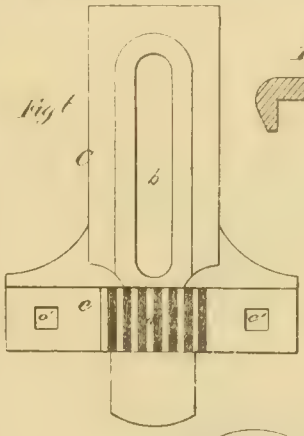


Fig. 10.

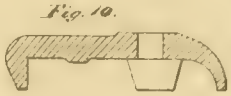
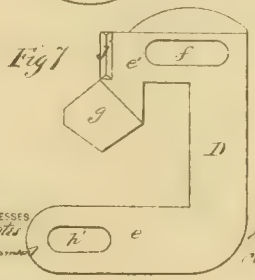


Fig 7



WITNESSES
E. H. Bates
E. W. Adamson

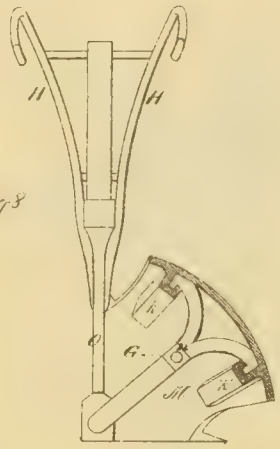
INVENTOR
Benjamin B. Hawse
Chipman Hosmer & Co.
ATTORNEYS

5 Sheets—Sheet 4.

B. B. HAWSE.

FURROW-GAGE.

No. 183,162. Patented Oct. 10. 1876.



WITNESSES
C. H. Butler
Eugene Adamson

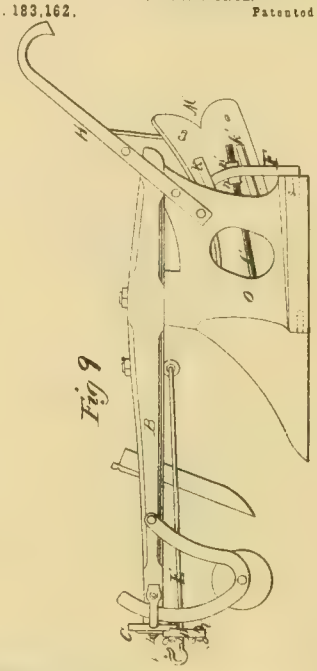
INVENTOR
Benjamin B. Hawse
Dickerson Brown & Co
ATTORNEYS

5 Sheets—Sheet 5.

B. B. HAWSE.

FURROW-GAGE.

No. 183,162. Patented Oct. 10. 1876.



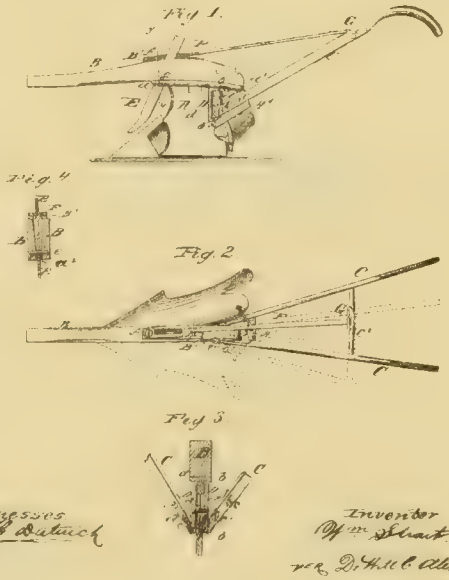
WITNESSES
C. H. Butler
E. W. Adamson

INVENTOR
Benjamin B. Hawse.
Dickerson Brown & Co.
ATTORNEYS.

W. STRAIT.

SIDE HILL PLOWS.

No. 184,440. Patented Nov. 14. 1876.



Witnesses
Geo. G. Dutton

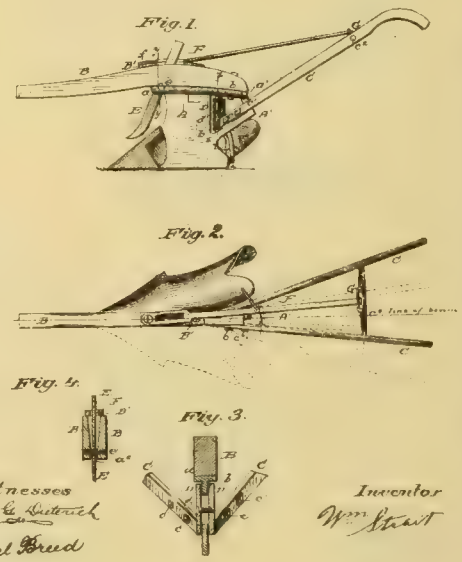
Inventor
Wm. Strait
per D. Hill C. Allen
Atty

W. STRAIT.

Assignor to C. E. Van Dusen & C. L. Strait.

Side-Hill Plow.

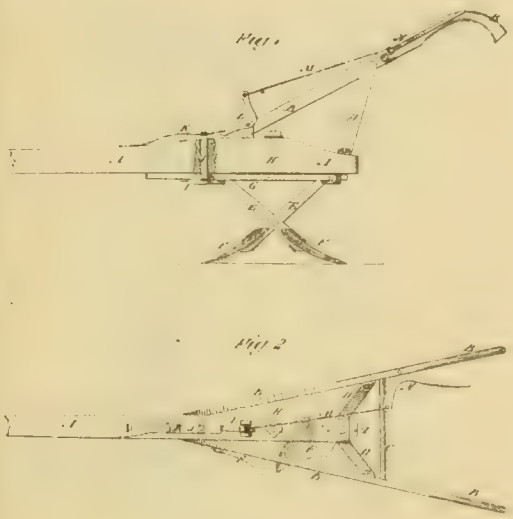
No. 9,116. Reissued Mar. 9, 1880.



Witnesses
Geo. G. Dutton
Daniel Breed

Inventor
Wm. Strait

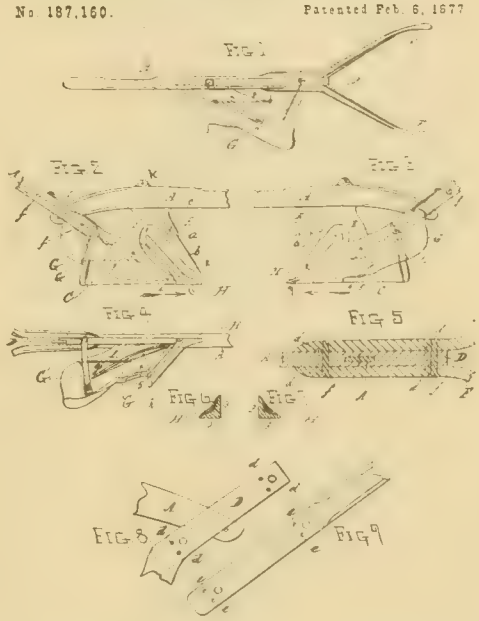
D. F. VICKERY & W. F. PRICKETT.
REVERSIBLE-PLOW.
No. 184,449. Patented Nov. 14, 1876.



WITNESSES:
Francis M. Antle
John Gechals

INVENTOR:
D. F. Vickery
By A. P. Prickett
Munn & Co
ATTORNEYS.

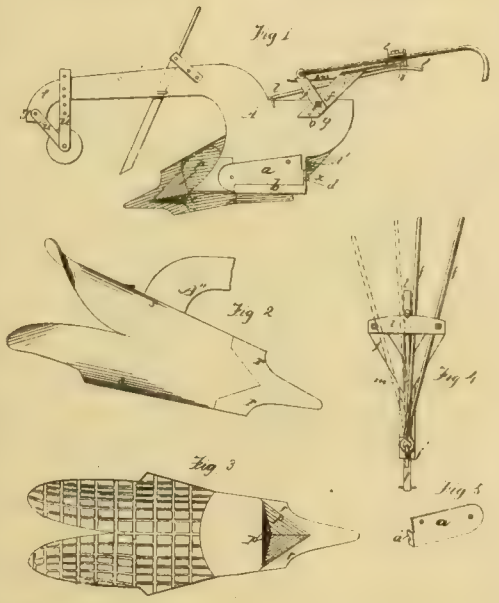
E. G. MATTHEWS.
PLOW
No. 187,160. Patented Feb. 6, 1877



WITNESSES:
Edwin E. Hoard
Thos. H. Dodge

INVENTOR.
Elbridge G. Matthews

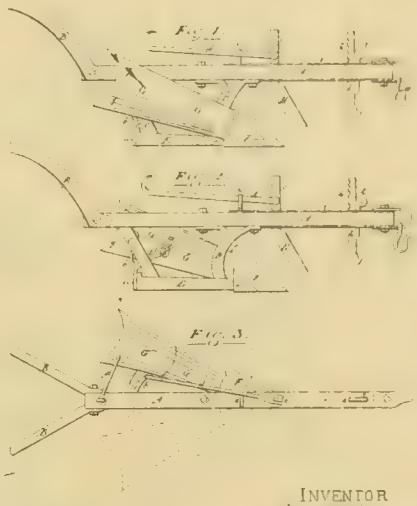
E. C. HODGE.
REVERSIBLE PLOW.
No. 189,558. Patented April 17, 1877.



Witnesses.
Goodwill Davis
M. B. Church

Ephraim C. Hodge
By Hill, Ellsworth & Dean
His Attys.

J. GOGEL.
REVERSIBLE PLOW
No. 190,678. Patented May 15, 1877

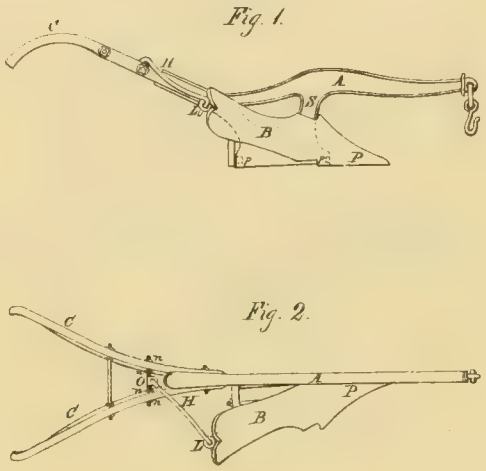


WITNESSES
D. P. Lord
E. Chapin

INVENTOR
John Gogel
by W. Morris Smith
Atty.

J. NOURSE
PLOWS.

No. 194,257. Patented Aug. 14, 1877.

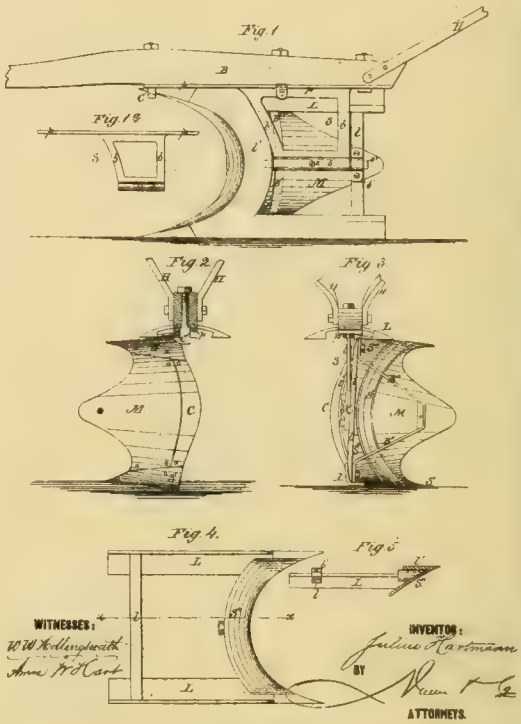


Witnesses.
Edwin A. Hildreth.
George E. Burt

Inventor.
Joel Nourse

J. HARTMANN.
PLOWS.

No. 194,428. Patented Aug. 21, 1877.

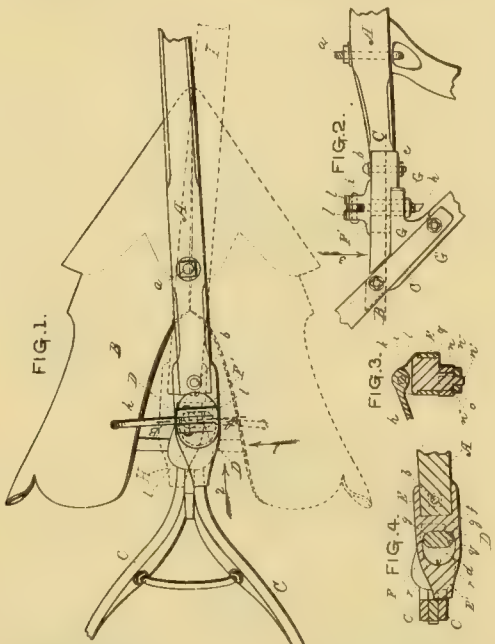


WITNESSES:
W. W. Hollingsworth
Anna W. Hart

INVENTOR:
Julius Hartmann
BY
ATTORNEYS.

F. E. SESSIONS.
Plow.

No. 196,048. Patented Oct. 9, 1877.

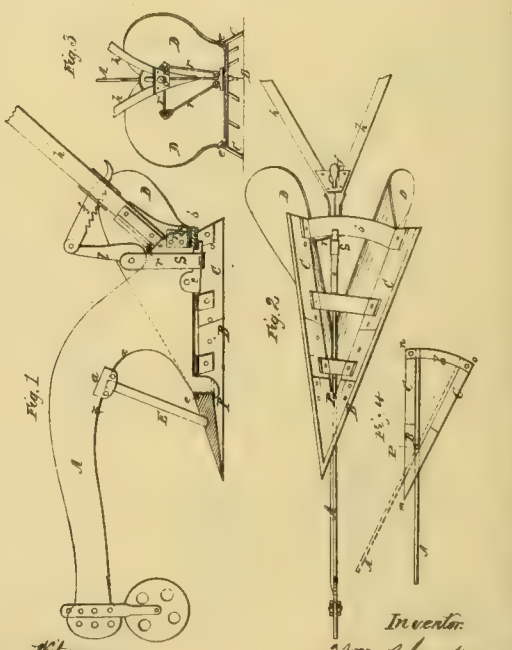


WITNESSES:
E. E. Moore
Albert A. Parker

INVENTOR
Francis E. Sessions

W. A. COWLEY.
Plow.

No. 197,340. Patented Nov. 20, 1877.

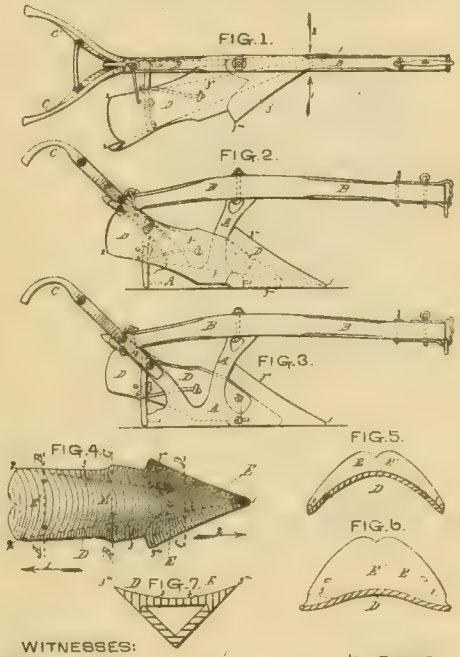


Witnesses.
J. H. Robinson
H. B. Wilcox

Inventor.
W. A. Cowley
Per. Geo. C. Webb Atty.

S. A. KNOX.
Plow.

No. 198,028. Patented Dec. 11, 1877

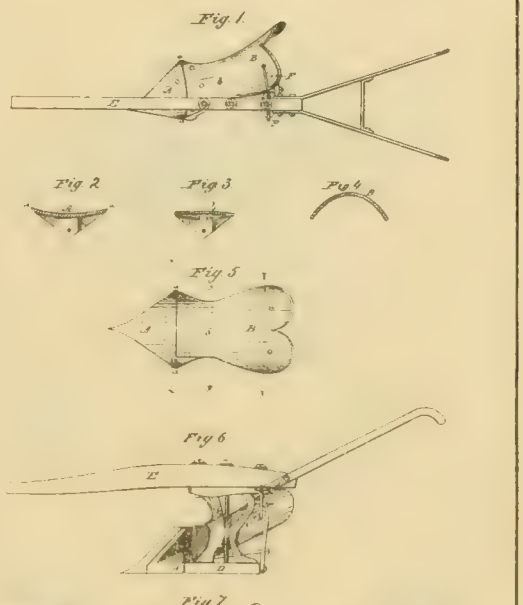


WITNESSES:
Thos. H. Dodge
Edwin Ekson

INVENTOR:
Samuel A. Knox

J. HARTMANN.
Swivel-Plow.

No. 198,611. Patented Dec. 25, 1877.

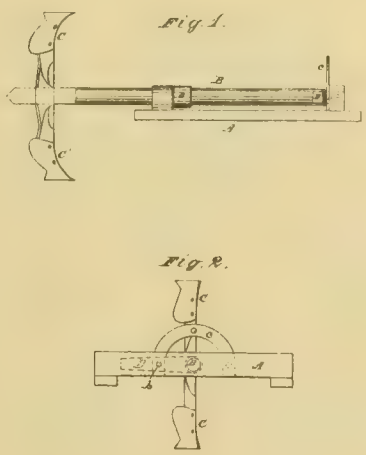


WITNESSES:
W. W. Hollingsworth
Colon R. Kenion

INVENTOR:
Julius Hartmann
BY
ATTORNEYS.

C. DANIEL.
Reversible Plow.

No. 199,036. Patented Jan. 8, 1878.

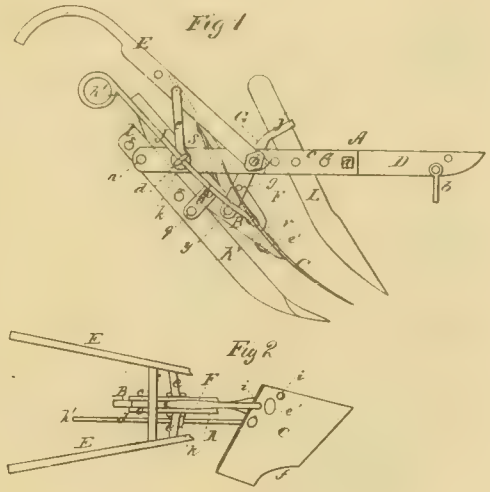


WITNESSES:
H. Rydquist
J. H. Scarborough

INVENTOR:
C. Daniel
BY
ATTORNEYS.

B. F. MORRIS.
Reversible Plow.

No. 199,093. Patented Jan. 8, 1878.

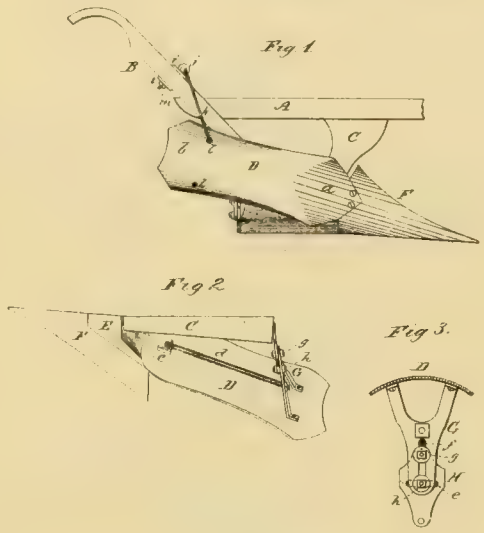


WITNESSES
Mary A. Utley
F. J. Mas

INVENTOR
Benjamin F. Morris
By E. H. Anderson
ATTORNEY

F. A. BARROWS.
Plow.

No. 199,493. Patented Jan. 22, 1878.

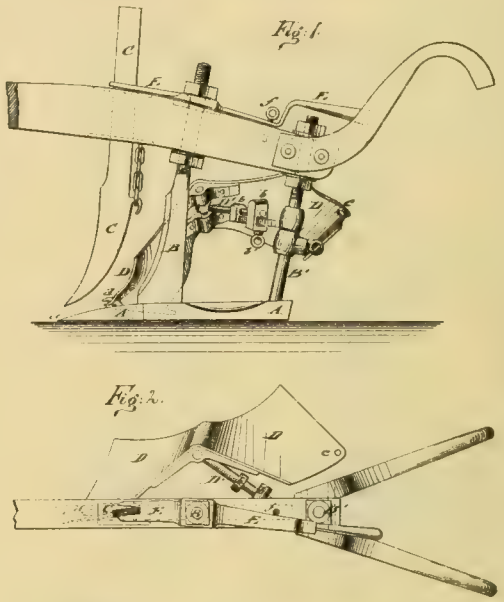


WITNESSES
Nat. E. Oliphant
H. N. Oliphant

INVENTOR
Francis A. Barrows.
per
Chas. H. Souder
Attorney.

P. BOUCHET.
Reversible Plow.

No. 199,954. Patented Feb. 5, 1878.

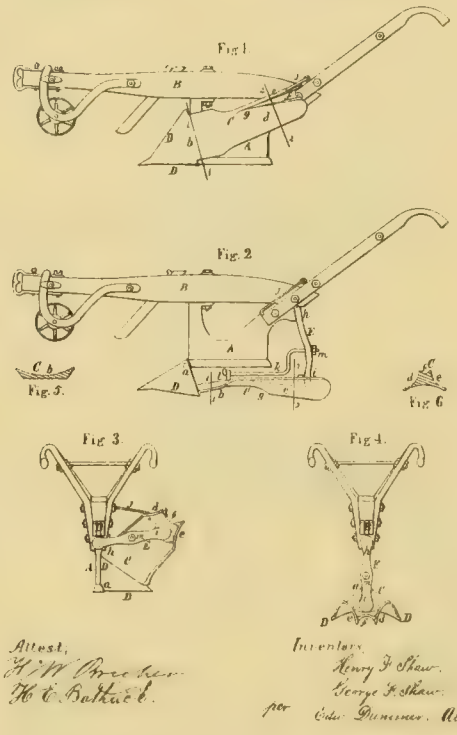


WITNESSES:
Chas Nutt
E. Sedgwick

INVENTOR:
P. Bouchet
BY Munn & Co
ATTORNEYS.

H. F. & G. F. SHAW.
Side-Hill Plow.

No. 200,413. Patented Feb. 19, 1878.

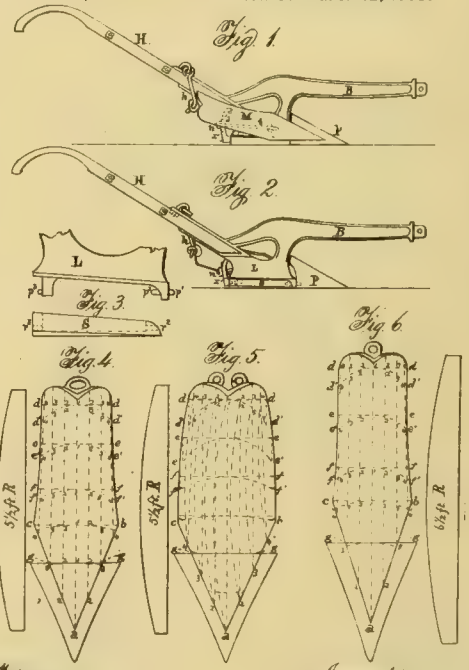


Attest,
H. W. Brocken
H. C. Bathuel.

Inventors,
Henry F. Shaw.
George F. Shaw.
per Edw. Dunsmuir, Atty

J. NOURSE & J. A. HOWE.
Plow.

No. 201,281. Patented March 12, 1878.

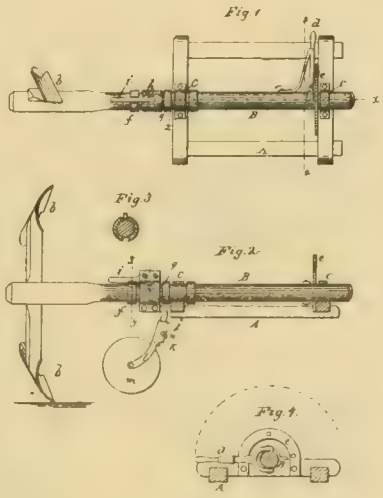


Witnesses
C. A. Hildreth
H. C. Hildreth

Inventors.
John Nourse
James A. Howe

C. DANIEL.
Plow-Colter.

No. 204,484. Patented June 4, 1878.

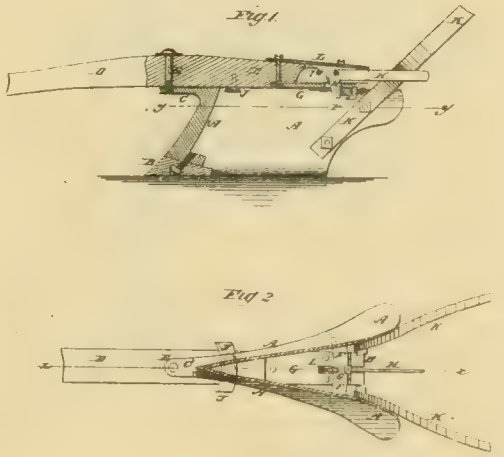


WITNESSES:
Henry A. Miller
C. Dangueira

INVENTOR:
C. Daniel
BY Munn & Co
ATTORNEYS.

H. R. UNDERHILL.
Plow.

No. 204,513. Patented June 4, 1878.

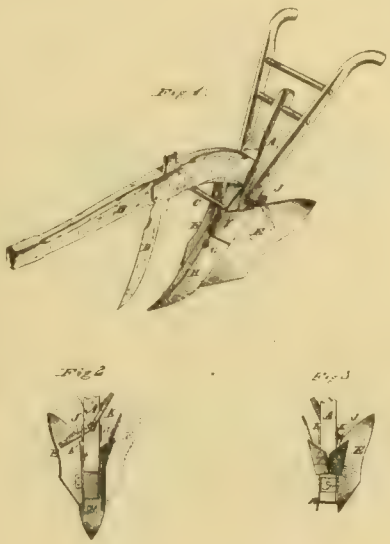


WITNESSES:
Thomas McTeale
C. Dangueira

INVENTOR.
H. R. Underhill
BY Munn & Co
ATTORNEYS.

J. W. BARNETT & T. J. HOBBS.
Side-Hill Plow.

No. 206,070. Patented July 16, 1878.

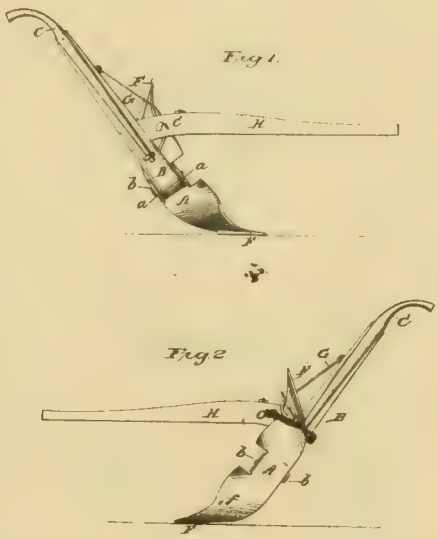


WITNESSES
Harry King
Wm Blackstock

INVENTORS
John W. Barnett
Thomas J. Hobbs
By Munn & Co
ATTORNEYS.

L. E. WILSON & J. E. McCANLES.
Side-Hill Plow.

No. 207,468 Patented Aug. 27, 1878.



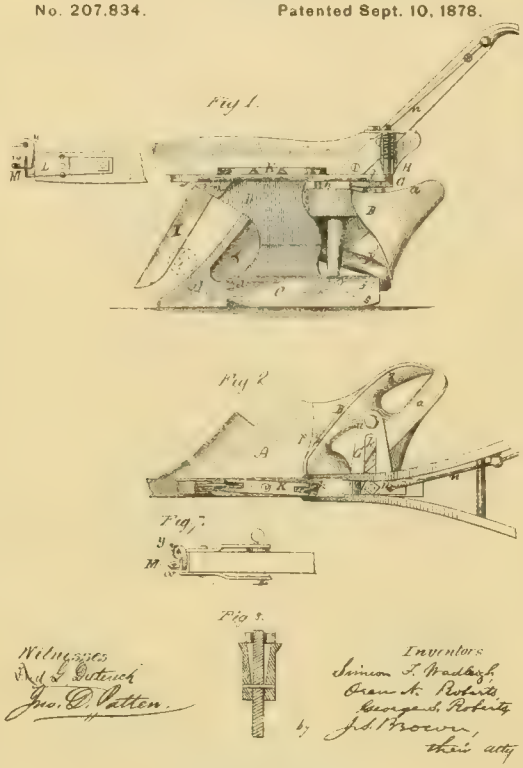
Attest:
N. P. Cook
Geo. Bacon

Inventors
L. E. Wilson
J. E. McCanles
By Robt. B. Wason
Atty

2 Sheets—Sheet 1

S. F. WADLEIGH, O. N. & G. S. ROBERTS.
Plow.

No. 207,834. Patented Sept. 10, 1878.



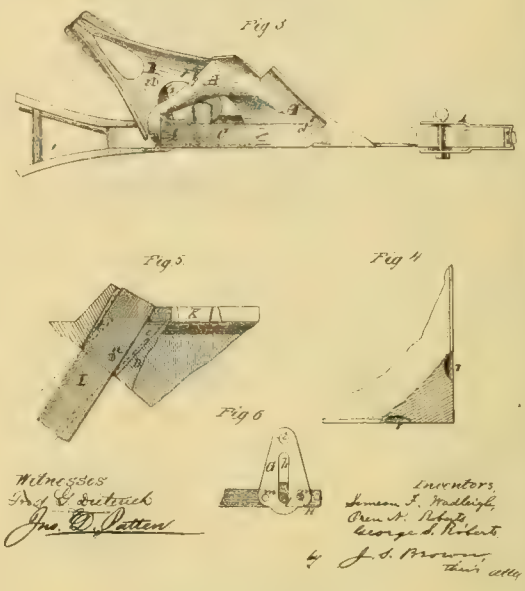
Witnesses
Fred L. Gutteck
Jno. D. Patten.

Inventors
Simon F. Wadleigh,
Oren N. Roberts
George S. Roberts
by J. S. Brown,
their atty

2 Sheets—Sheet 2

S. F. WADLEIGH, O. N. & G. S. ROBERTS.
Plow.

No. 207,834. Patented Sept. 10, 1878.

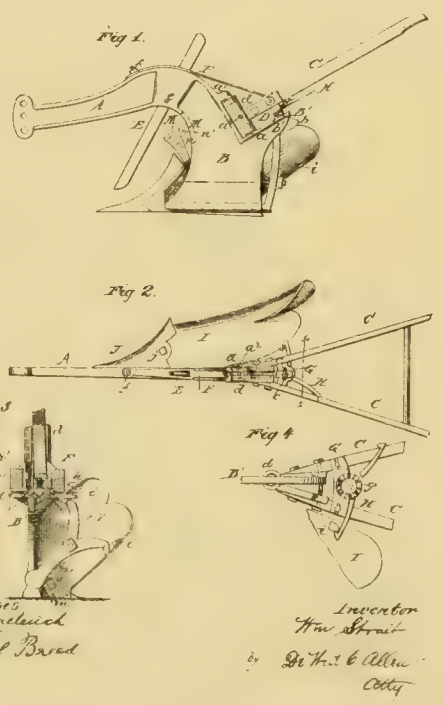


Witnesses
Fred L. Gutteck
Jno. D. Patten

Inventors,
Simon F. Wadleigh,
Oren N. Roberts
George S. Roberts
by J. S. Brown,
their atty

W. STRAIT.
Plow.

No. 208,048. Patented Sept. 17, 1878.

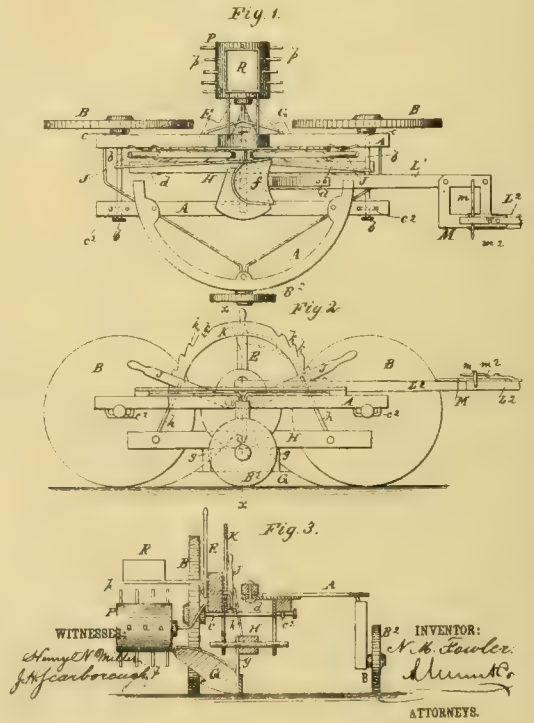


Witnesses
Fred L. Gutteck
Daniel Bard

Inventor
Wm Strait
by Dr Wm C. Allen
Atty

N. M. FOWLER.
Plow, Harrow, and Seed-Planter.

No. 208,082. Patented Sept. 17, 1878.

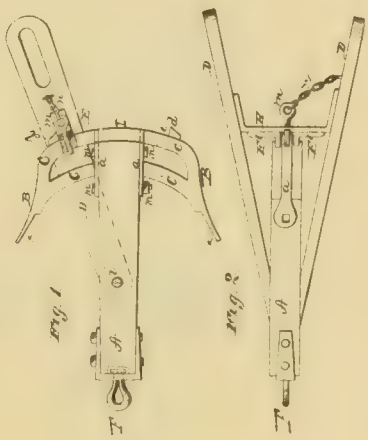


WITNESSES:
Henry N. Miller
J. H. Scarborough

INVENTOR:
N. M. Fowler.
Munn & Co.
ATTORNEYS.

E. TATE
Hill-Side, Shovel and Sub-Soil Plow Combined.

No. 209,088. Patented Oct. 15, 1878.

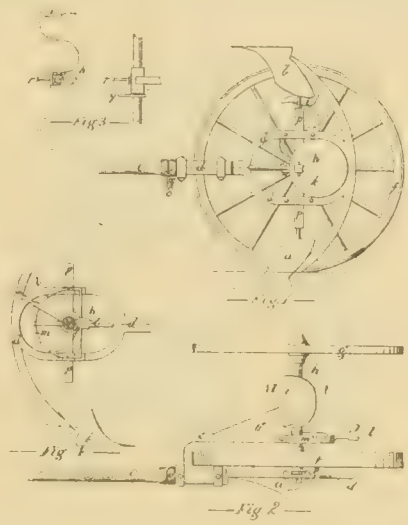


WITNESSES
D. L. Quinund
J. J. W. Easthy

INVENTOR
Edward Tate
BY Alexander & Dodson
ATTORNEYS

W. D. ARNETT
Sulky-Plow.

No. 209,374. Patented Oct. 29, 1878.

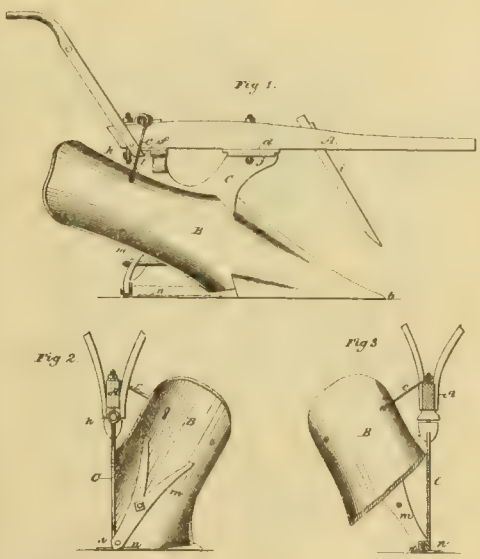


WITNESSES.
Robert Lee Mitchell
Hardman Arnold

INVENTOR
William D. Arnett

C. M. LUFKIN.
Swivel-Plow.

No. 209,697. Patented Nov. 5, 1878.

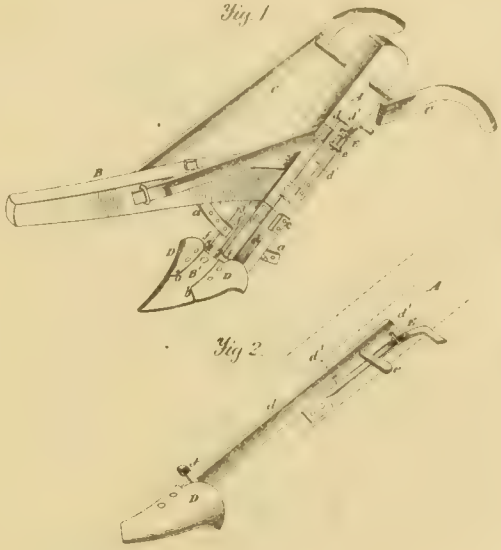


Attest
Walter E. Lufkin
Emma F. Burge

Inventor
Charles M. Lufkin

W. E. CONNELLY.
Hill-Side Plow.

No. 213,095 Patented Mar. 11, 1879.

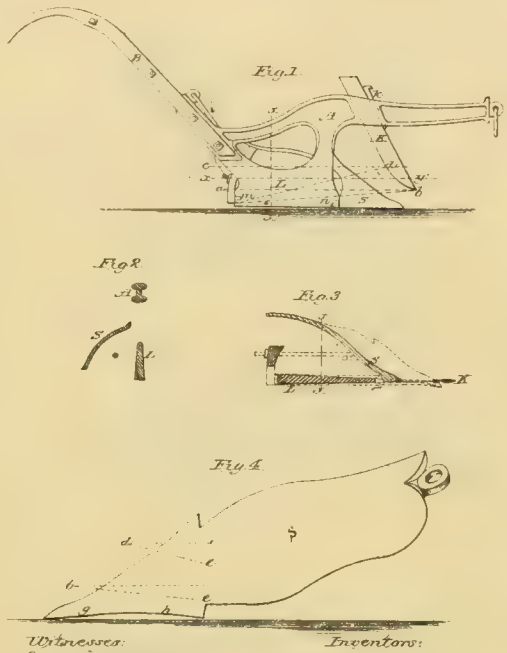


Witnesses.
A. Pupfert
James H. Lange

Inventor
William E. Connelly,
per Edson Reed
Attorney.

J. NOURSE & J. A. HOWE.
Swivel-Plow.

No. 216,443. Patented June 10, 1879.

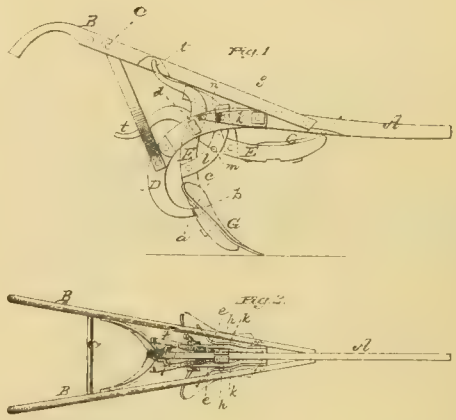


Witnesses:
Edwin A. Hildreth
G. C. Sherrill

Inventors:
Joel Nourse
James A. Howe

G. W. PETERSON.
Hill-Side Plow.

No. 216,448. Patented June 10, 1879.

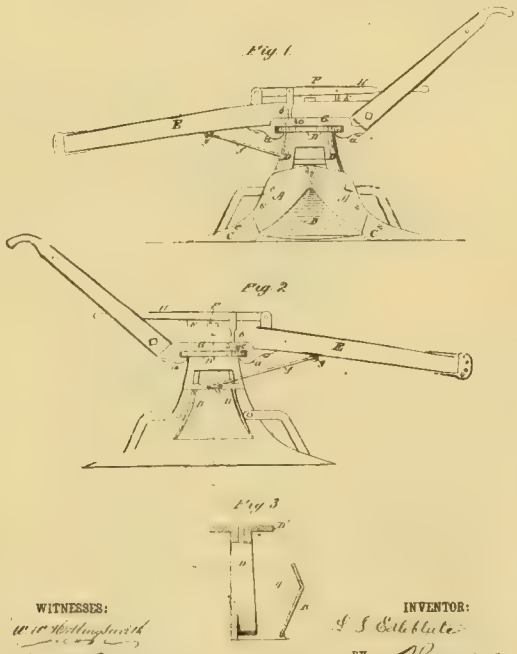


WITNESSES
John A. Ross
F. J. Mase.

INVENTOR
Geo. W. Peterson
by E. W. Hudson
Atty
ATTORNEY

L. S. EDLEBLUTE.
Plow.

No. 217,594. Patented July 15, 1879.



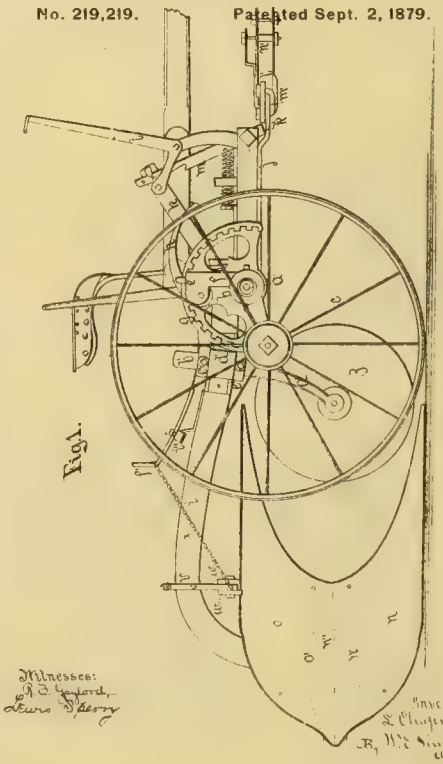
WITNESSES:
W. H. Hollingsworth
Edw. M. Byrne

INVENTOR:
L. S. Edleblute
BY
Wm. C. Le
ATTORNEYS.

3 Sheets—Sheet 1

L. CHAPMAN.
Reversible Sulky-Plow.

No. 219,219. Patented Sept. 2, 1879.



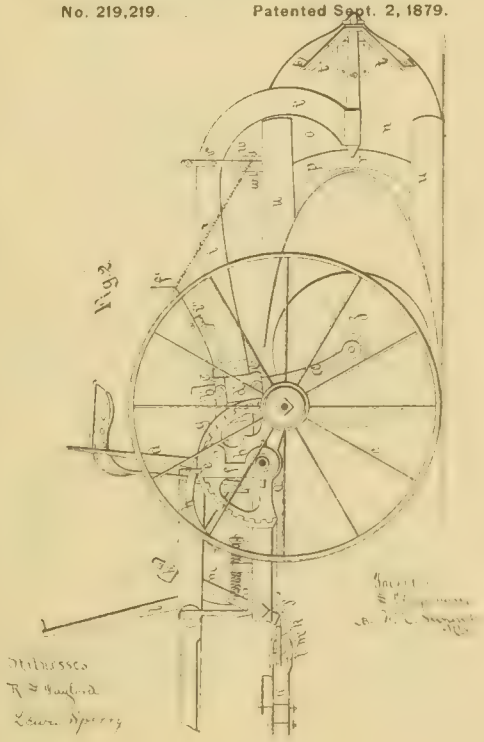
Witnesses:
J. B. Gaylord,
Lewis Berry

Inventor
L. Chapman
By W. C. Simmons
Atty.

3 Sheets—Sheet 2.

L. CHAPMAN.
Reversible Sulky-Plow.

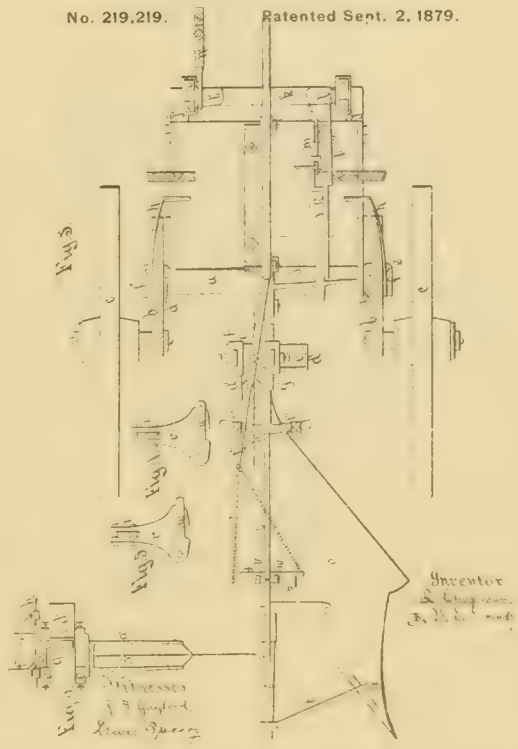
No. 219,219. Patented Sept. 2, 1879.



3 Sheets—Sheet 3.

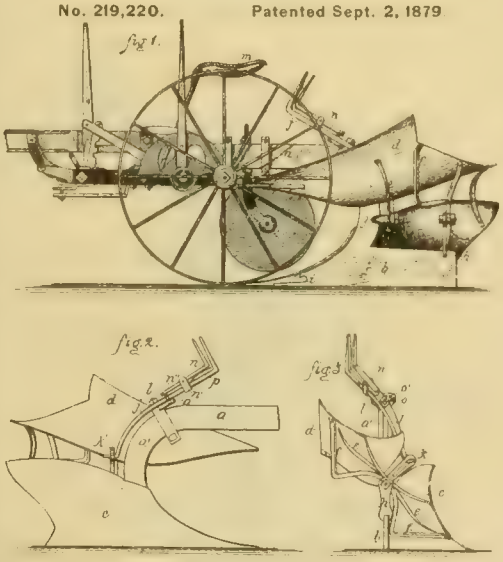
L. CHAPMAN.
Reversible Sulky-Plow.

No. 219,219. Patented Sept. 2, 1879.



L. CHAPMAN.
Reversible-Plow.

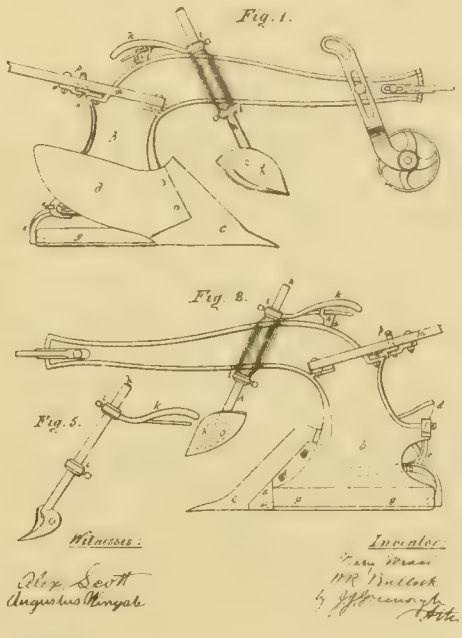
No. 219,220. Patented Sept. 2, 1879.



2 Sheets—Sheet 1

H. WIARD & W. R. BULLOCK.
Hillside Plow.

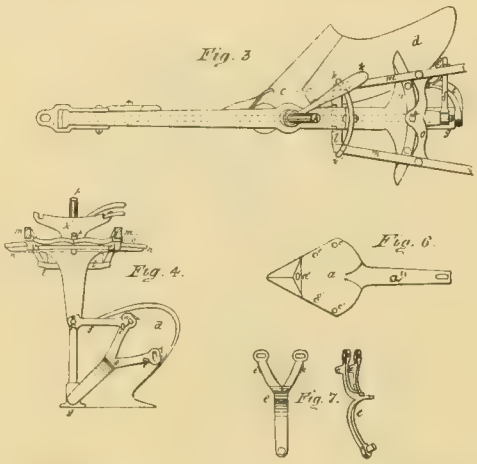
No. 220,453. Patented Oct. 7, 1879.



2 Sheets—Sheet 2.

H. WIARD & W. R. BULLOCK.
Hillside Plow.

No. 220,453 Patented Oct. 7, 1879.

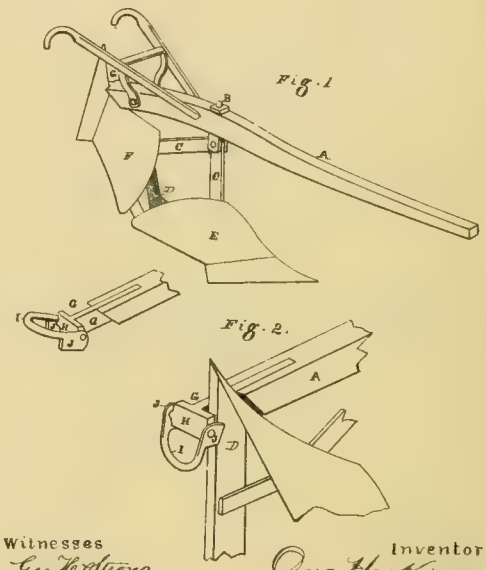


Witnesses:
Alex. Scott
Augustus Wingate

Inventor:
Henry Wiard
W. R. Bullock
by J. J. Greenough
Atty

O. HASKIN.
Reversible-Plow.

No. 221,457. Patented Nov. 11, 1879.

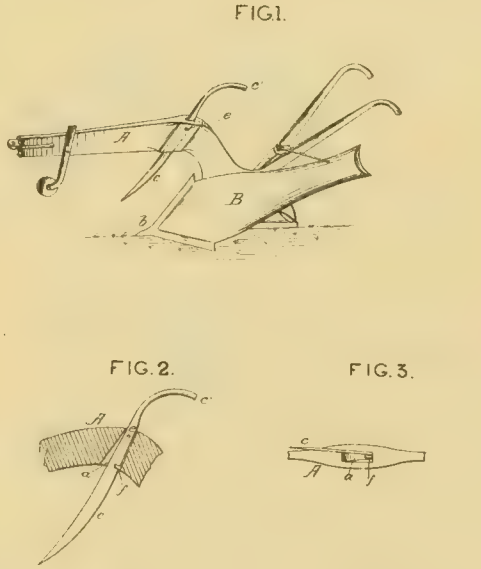


Witnesses
Geo. H. Strong.
Frank A. Brooks

Inventor
Orro Haskin
by Dewey & Co.
Attys

H. R. ACKLEY.
Plow.

No. 222,979. Patented Dec. 30, 1879.

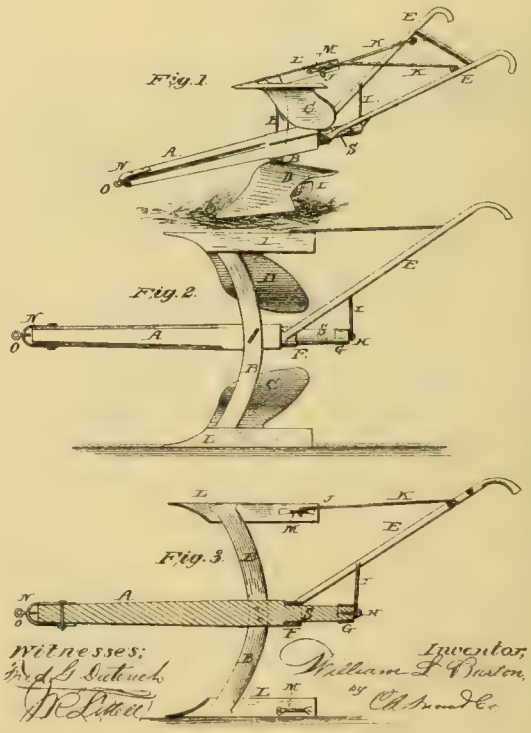


Witnesses
Saml. R. Turner
J. B. Holderby

Inventor
Hiram R. Ackley
By R. S. & A. P. Lacey Attys

W. L. BARTON.
Plow.

No. 222,980. Patented Dec. 30, 1879.

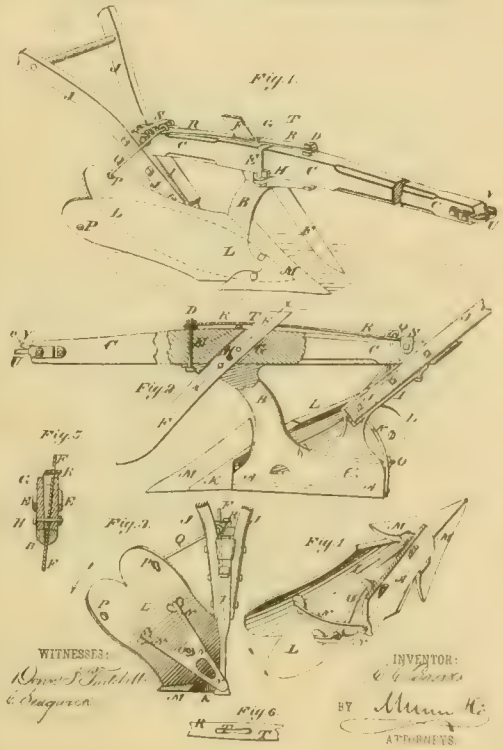


Witnesses:
Fred. G. Dutcher
H. C. Litton

Inventor,
William L. Barton,
by Chas. Brown & Co.

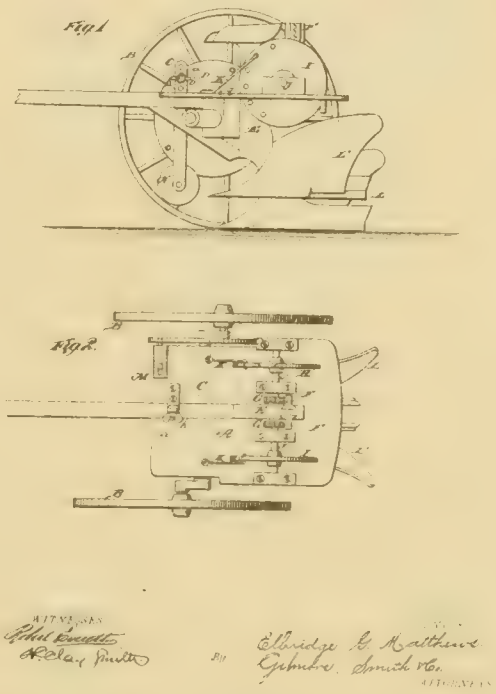
C. C. BROOKS.
Reversible Plow.

No. 224,136. Patented Feb 3, 1880.



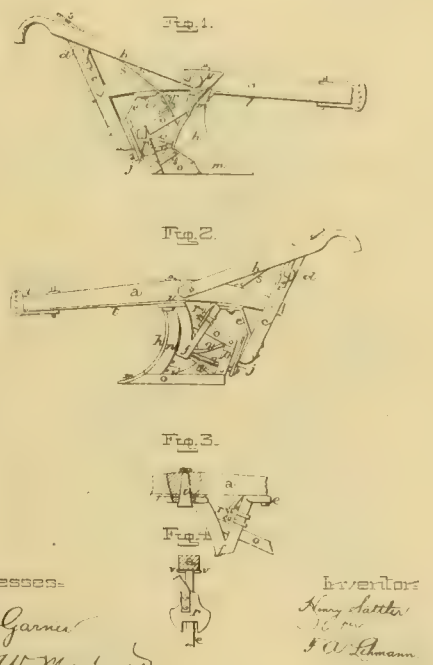
E. G. MATTHEWS.
Plow

No. 224,455. Patented Feb. 10, 1880.



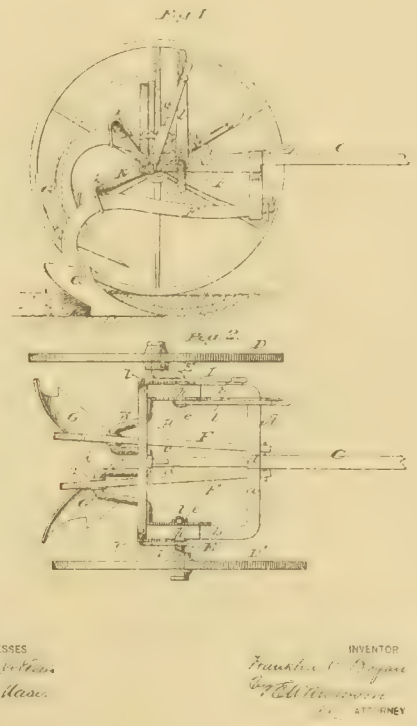
H. SATTLER.
Plow.

No. 225,077. Patented Mar. 2, 1880.



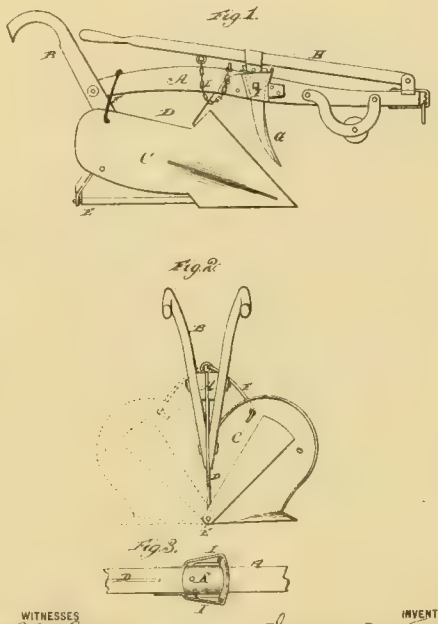
F. C. BRYAN.
Sulky-Plow

No. 225,105 Patented Mar. 2, 1880



J. P. HOLLEY.
Swivel Plow and Colter.

No. 225,134. Patented Mar. 2, 1880.

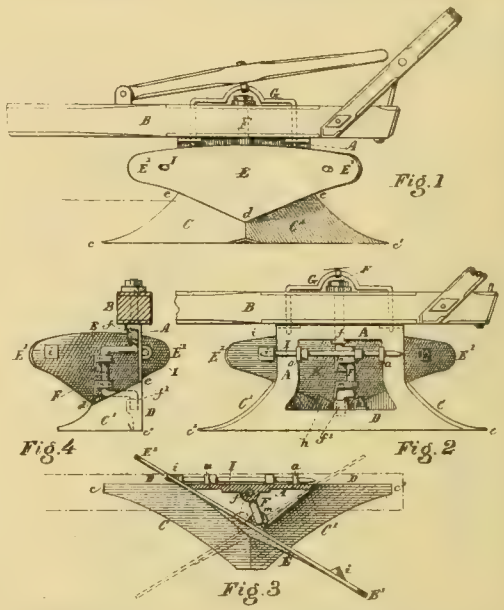


WITNESSES
Chas. Burnett
Chas. G. Page

INVENTOR
Jeremy P. Holley
by Selmon Smith & Co.
ATTORNEYS

J. L. & G. L. WOODBURY.
Reversible-Plow.

No. 225,452. Patented Mar. 9, 1880.

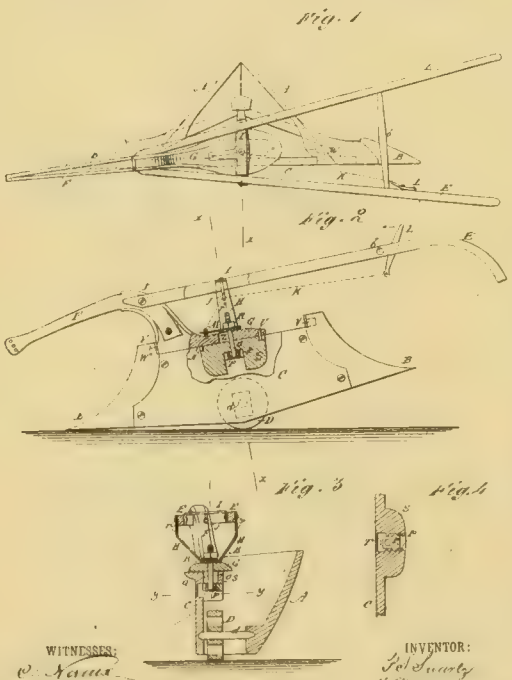


Witnesses
S. R. Burton
G. A. Willard

Inventors
Joseph L. Woodbury
George L. Woodbury
By Chas. H. Burleigh
Attorney.

P. S. SWARTZ & A. ARNOT.
Plow.

No. 226,567. Patented April 13, 1880.

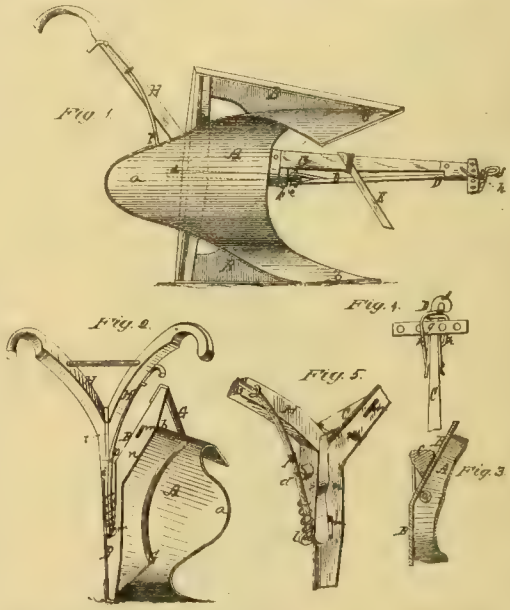


WITNESSES:
C. Naus
E. Sagers

INVENTOR:
Pd Swartz
A. Arnot
BY Munn & Co.
ATTORNEYS.

A. S. CLOUGH.
Reversible Plow.

No. 232,001. Patented Sept. 7, 1880.

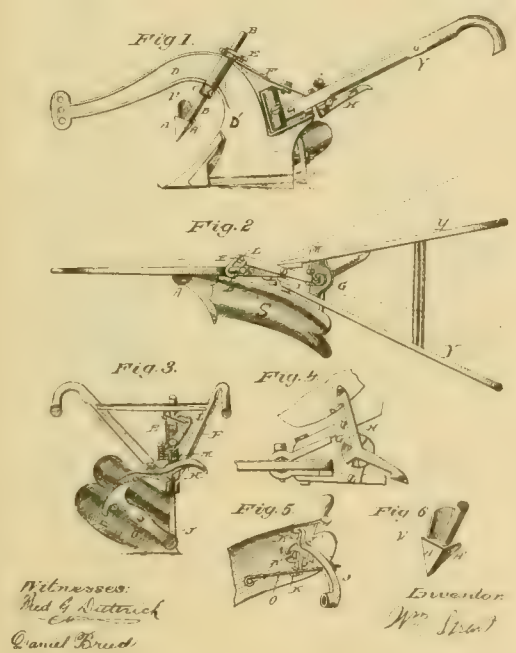


Witnesses
Fred G. Fatzinck
J. C. Coy

Inventor
Aaron S. Clough,
By A. S. Brown,
his attorney

W. STRAIT.
Side Hill Plow.

No. 233,046. Patented Oct. 5, 1880.



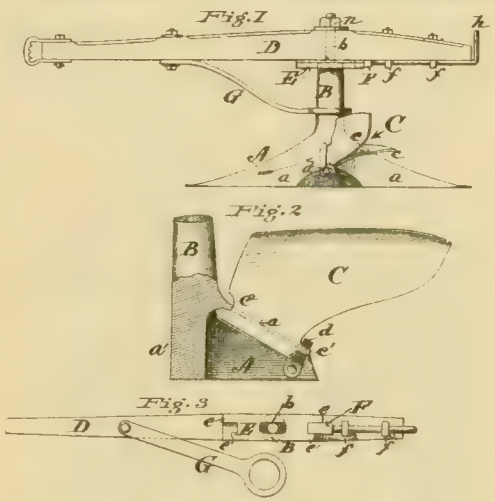
Witnesses:
Wm G Dittrick
Daniel Breed

Inventor
Wm Strait

(No Model.)

B. J. LESLIE.
Reversible Plow.

No. 235,156. Patented Dec. 7, 1880.



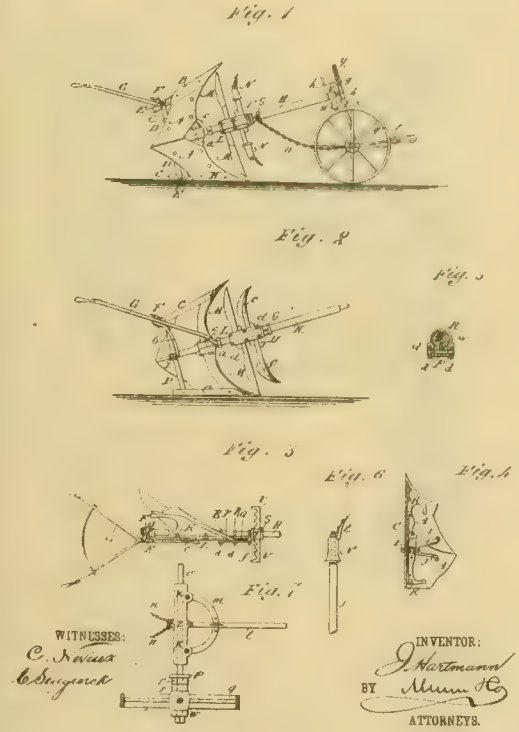
Witnesses
C F Hesser
Henry Drew

Inventor
Benjamin J. Leslie,
by L. M. Hoover
Attorney

(No Model.)

J. HARTMANN.
Reversible Plow.

No. 239,773. Patented April 5, 1881.



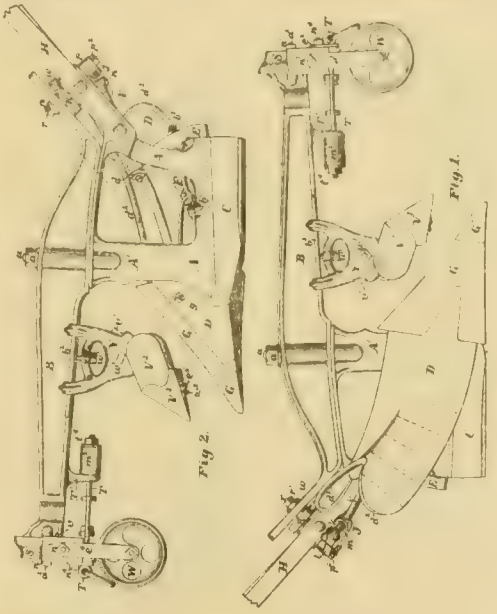
WITNESSES:
C. Neveux
C. Sargent

INVENTOR:
J. Hartmann
BY Munn & Co
ATTORNEYS.

(No Model.) 3 Sheets—Sheet 1.

F. F. HOLBROOK & E. S. MOULTON.
Plow.

No. 241,861. Patented May 24, 1881.



Witnesses:
H. H. Chased
W. P. Preble Jr

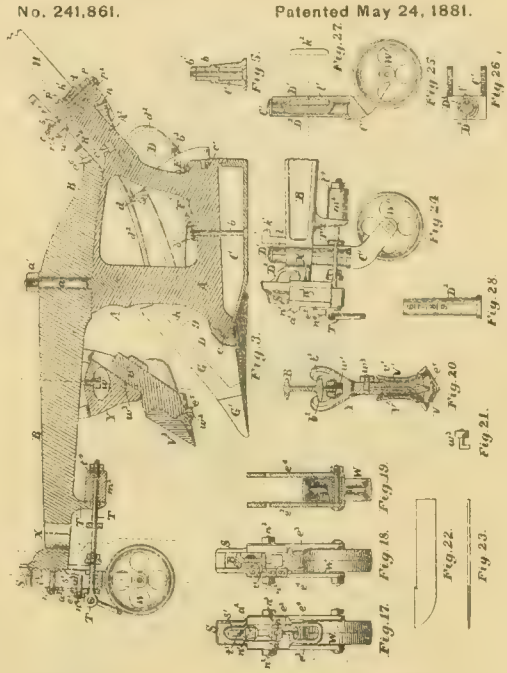
Inventors
Franklin F. Holbrook
Eu S. Moulton
W. W. Brown Atty

(No Model.) 3 Sheets—Sheet 2.

F. F. HOLBROOK & E. S. MOULTON.

Plow.

No. 241,861. Patented May 24, 1881.



Witnesses:
H. G. Obrodt
W. P. Preble Jr

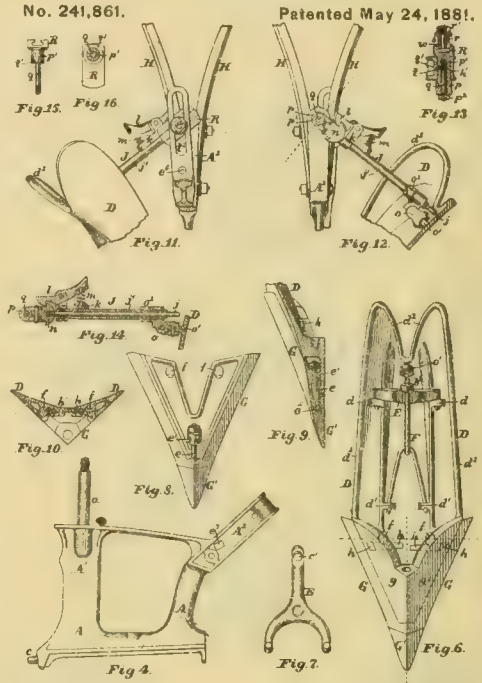
Inventors:
Franklin F. Holbrook
and
Eli S. Moulton
by their atty

(No Model.) 3 Sheets—Sheet 3.

F. F. HOLBROOK & E. S. MOULTON.

Plow.

No. 241,861. Patented May 24, 1881.



Witnesses:
H. G. Obrodt
W. P. Preble Jr

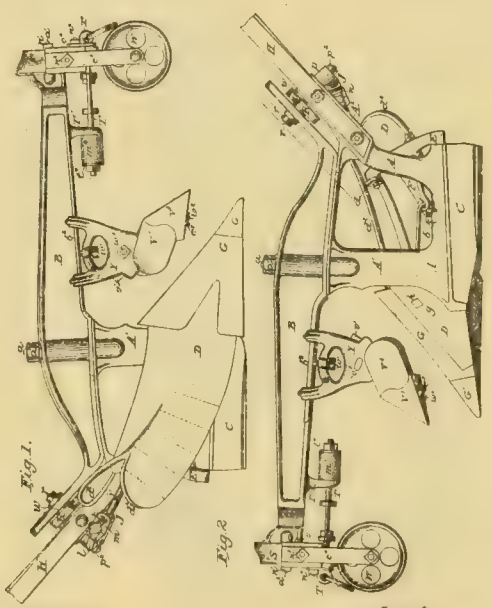
Inventors:
Franklin F. Holbrook
and
Eli S. Moulton

4 Sheets—Sheet 1.

F. F. HOLBROOK & E. S. MOULTON.

Plow.

No. 9,760. Reissued June 14, 1881.



Witnesses.
Sidney P. Hollingsworth
W. E. Chaffee

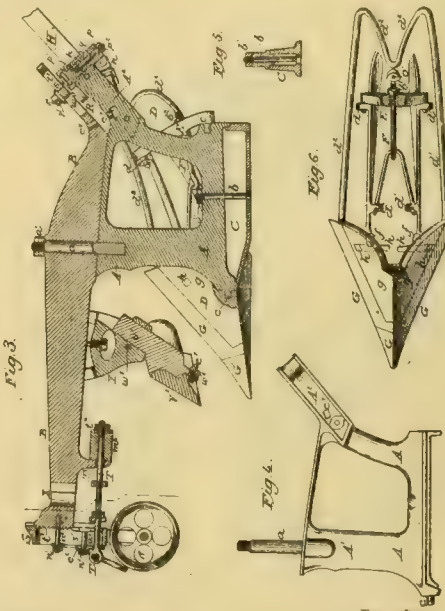
Inventors.
Franklin F. Holbrook,
Eli S. Moulton,
By their Attorneys,
Stansbury & Munn.

4 Sheets—Sheet 2.

F. F. HOLBROOK & E. S. MOULTON.

Plow.

No. 9,760. Reissued June 14, 1881.



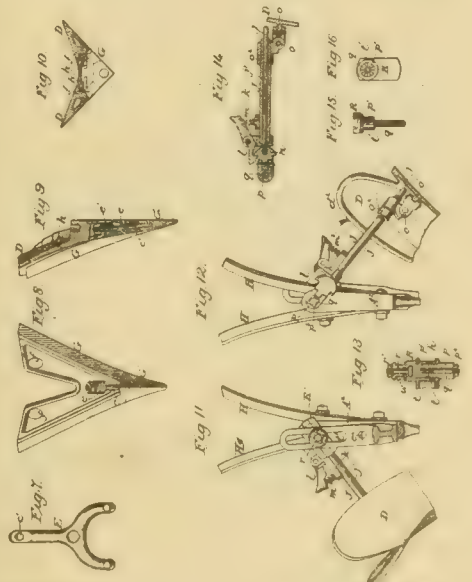
Witnesses.
Sidney P. Hollingsworth
W. E. Chaffee

Inventors.
F. F. Holbrook,
E. S. Moulton,
By their Attorneys,
Stansbury & Munn

4 Sheets—Sheet 3

F. F. HOLBROOK & E. S. MOULTON.
Plow.

No. 9,760. Reissued June 14, 1881.



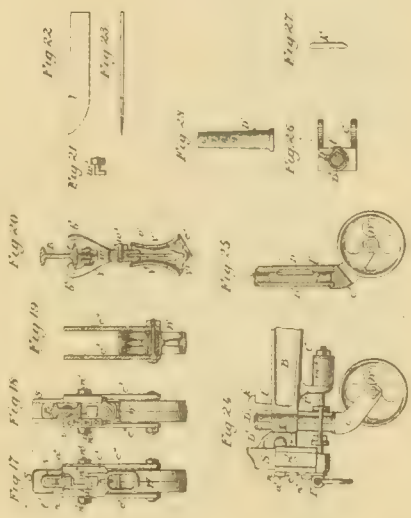
Witnesses.

Inventors.

4 Sheets—Sheet 4

F. F. HOLBROOK & E. S. MOULTON.
Plow.

No. 9,760. Reissued June 14, 1881.



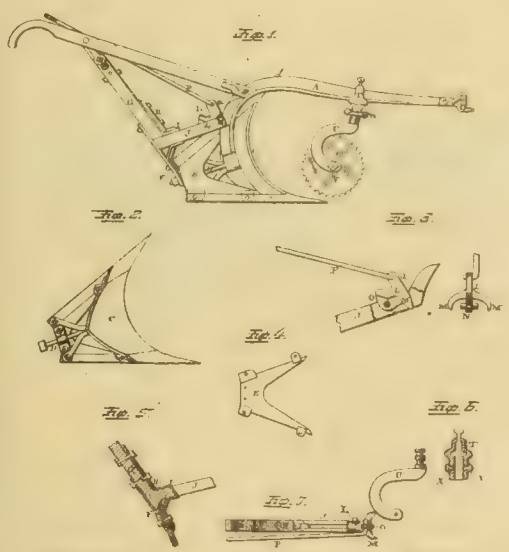
Witnesses

Inventors.

(Model.)

H. SATTLER.
Hillside Plow.

No. 242,697. Patented June 7, 1881.



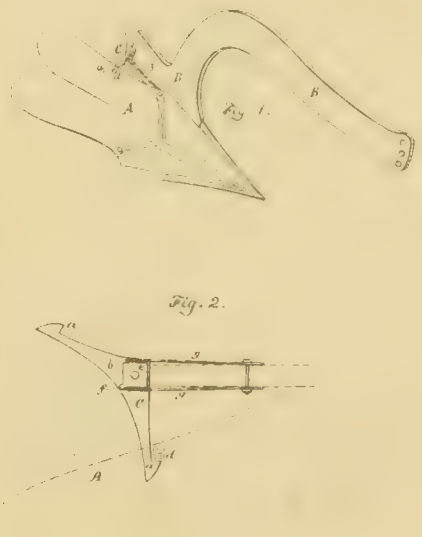
Witnesses.

Inventor.

(No Model.)

W. A. COWLEY.
Side Hill Plow.

No. 242,757. Patented June 14, 1881.



Witnesses.

Inventor:
William A. Cowley

(Model.) 3 Sheets—Sheet 1

J. S. FELT.
PLOW.

No. 249,234. Patented Nov. 8, 1881.

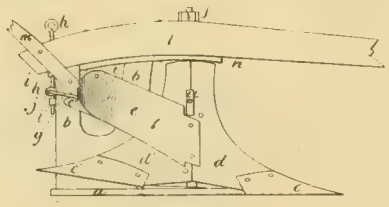


FIG. 1.

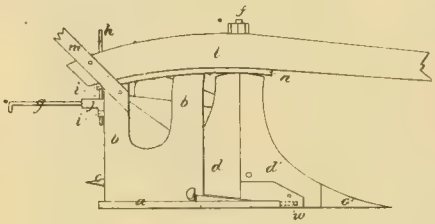


FIG. 2.

WITNESSES:
Chas. H. Kimball.
Wm. J. Hoodwin

INVENTOR:
Jesse S. Felt
by Clifford and Clifford
his Attys.

(Model.) 3 Sheets—Sheet 2.

J. S. FELT.
PLOW.

No. 249,234. Patented Nov. 8, 1881.

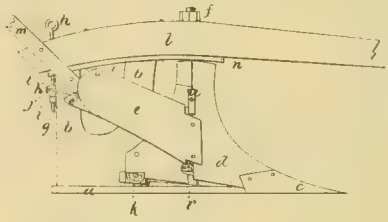


FIG. 3.

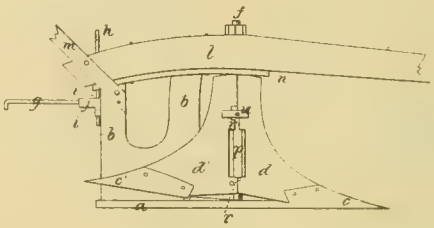


FIG. 4.

WITNESSES:
Chas. H. Kimball.
Wm. J. Hoodwin

INVENTOR:
Jesse S. Felt
by Clifford and Clifford
his Attys.

(Model.) 3 Sheets—Sheet 3.

J. S. FELT
PLOW.

No. 249,234. Patented Nov. 8, 1881.

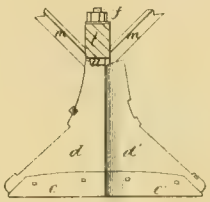


FIG. 5.

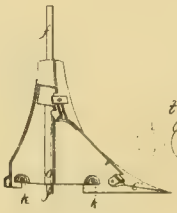


FIG. 6.

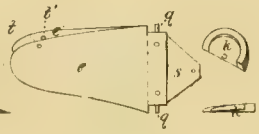


FIG. 7.

FIG. 8.

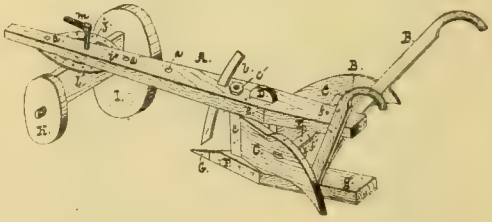
WITNESSES:
Chas. H. Kimball.
Wm. J. Hoodwin

INVENTOR:
Jesse S. Felt
by Clifford and Clifford
his Attys.

(Model.)

J. KÖNIG.
PLOW.

No. 251,445. Patented Dec. 27, 1881.



WITNESSES
J. A. Butler
Ded. H. Bailey.

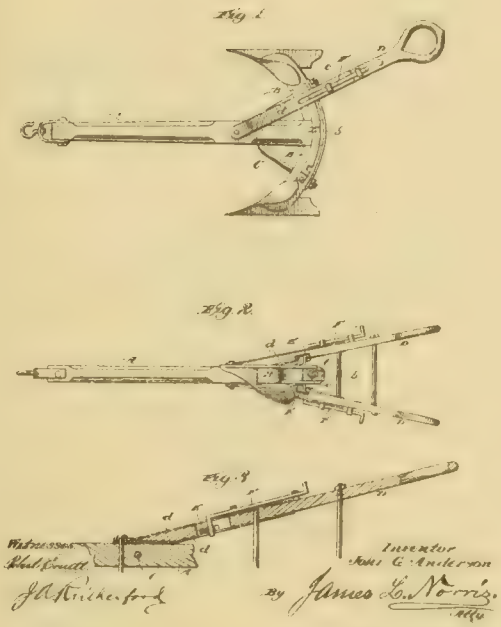
INVENTOR
Julius König
BY
C. D. Williams
ATTORNEY

(No Model.)

J. G. ANDERSON.

HILLSIDE PLOW.

No. 254,585. Patented Mar. 7, 1882.

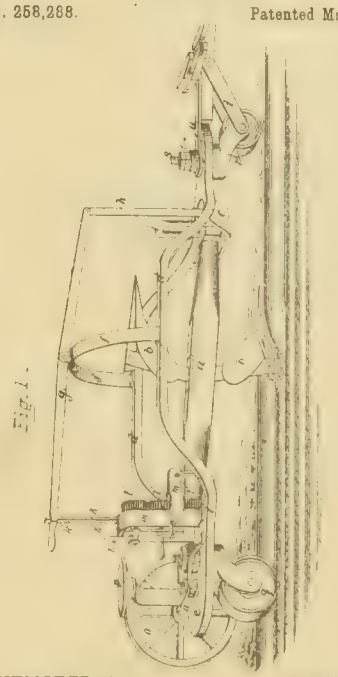


(No Model.) 2 Sheets—Sheet 1.

W. H. DURFEE

SIDE HILL PLOW.

No. 258,288. Patented May 23, 1882.



WITNESSES:
H. J. Miller
Wm. L. Roots

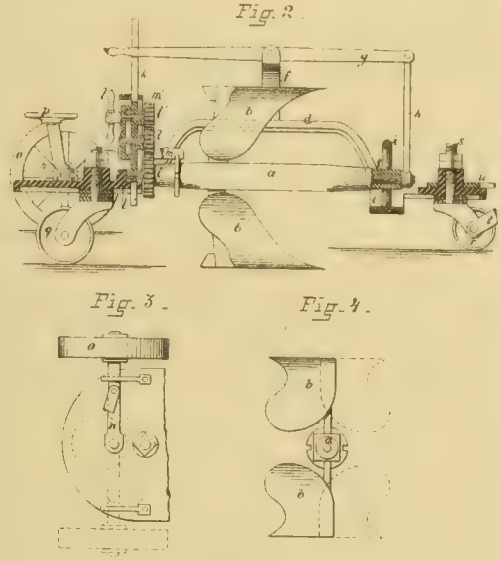
INVENTOR:
William H. Durfee
by Joseph A. Wilkinson
Atty.

(No Model.) 2 Sheets—Sheet 2.

W. H. DURFEE.

SIDE HILL PLOW.

No. 258,288. Patented May 23, 1882.



WITNESSES:
H. J. Miller
Elia L. Roots

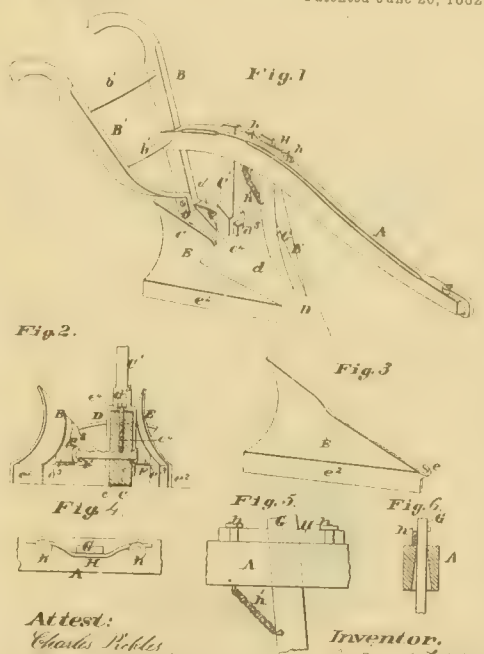
INVENTOR:
William H. Durfee
by Joseph A. Wilkinson
Atty.

(No Model.)

J. H. FELDMANN

HILLSIDE PLOW.

No. 259,836. Patented June 20, 1882.



Attest:
Charles Pickles
Geo. H. Hughes

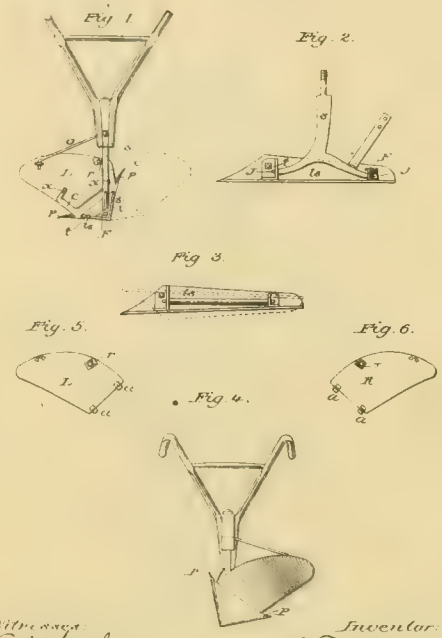
Inventor.
John H. Feldmann
By Hughes & Bro.
Atty.

(No Model.)

S. F. WOODWORTH.

PLOW.

No. 262,716. Patented Aug. 15, 1882.



Witnesses
E. W. Taylor
Ernest F. Tabor

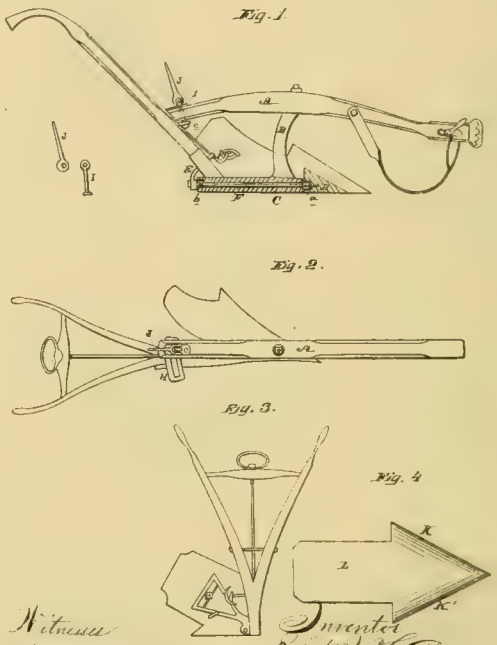
Inventor
S. F. Woodworth

(Model.)

R. I. KNAPP.

SIDE HILL PLOW.

No. 265,328. Patented Oct. 3, 1882.



Witnesses
Geo. H. Strong
Frank A. Brooks

Inventor
Robert I. Knapp
by Dewey & Co. Attys.

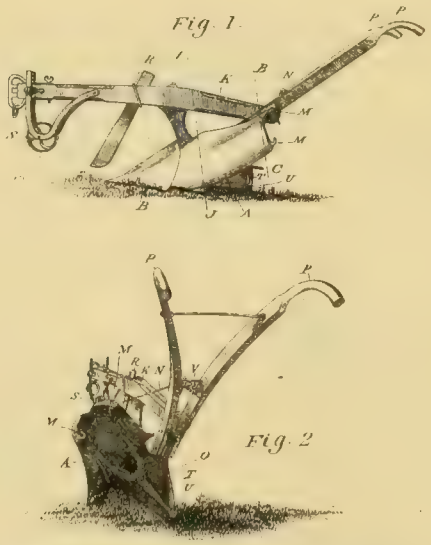
(Model.) 2 Sheets—Sheet 1

J. A. HOWE, Dec'd.

(E. W. Howe, Administratrix.)

SWIVEL PLOW.

No. 266,627. Patented Oct. 31, 1882.



Witnesses:
Emory B. Pope
H. G. Fiddick

Inventor
Esther W. Howe Administratrix
of James A. Howe deceased
By G. E. Burt Attorney.

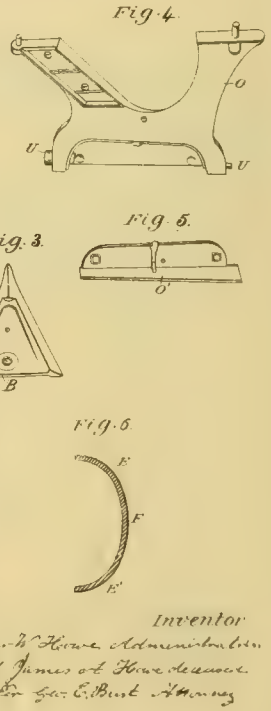
(Model.) 2 Sheets—Sheet 2

J. A. HOWE, Dec'd.

(E. W. Howe, Administratrix.)

SWIVEL PLOW.

No. 266,627. Patented Oct. 31, 1882.



Witnesses
Emory B. Pope
H. G. Fiddick

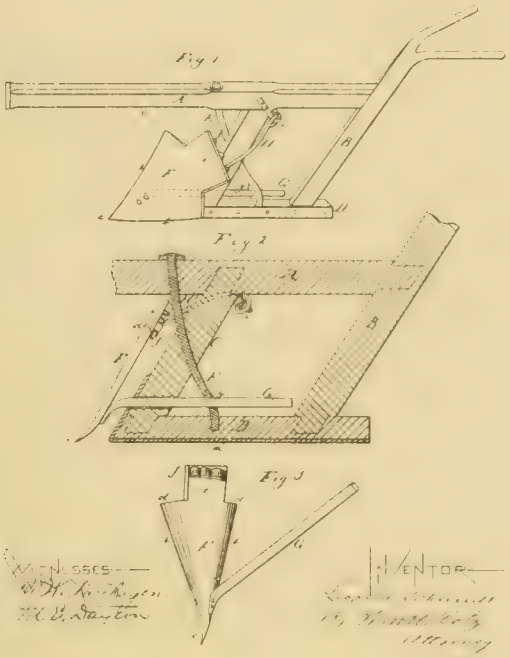
Inventor
Esther W. Howe Administratrix
of James A. Howe deceased
By G. E. Burt Attorney

(No Model.)

L. SCHMIDT.

PLOW.

No. 267,724. Patented Nov. 21, 1882.

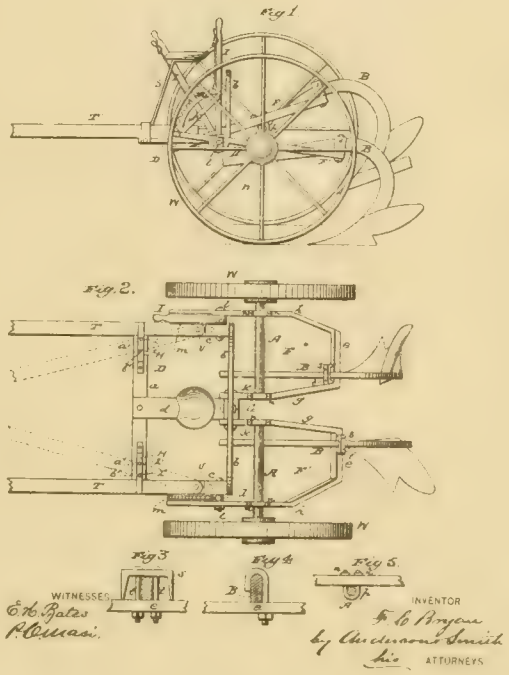


(No Model.)

F. C. BRYAN.

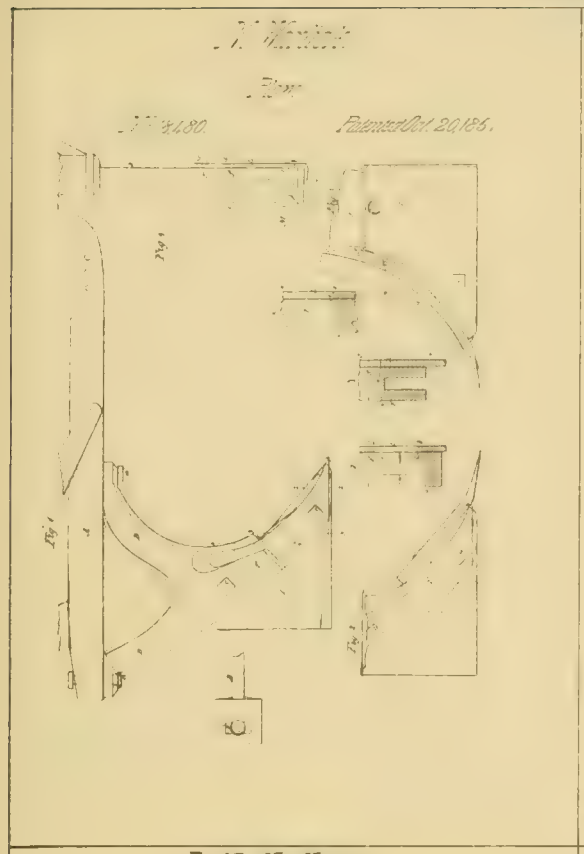
WHEEL PLOW

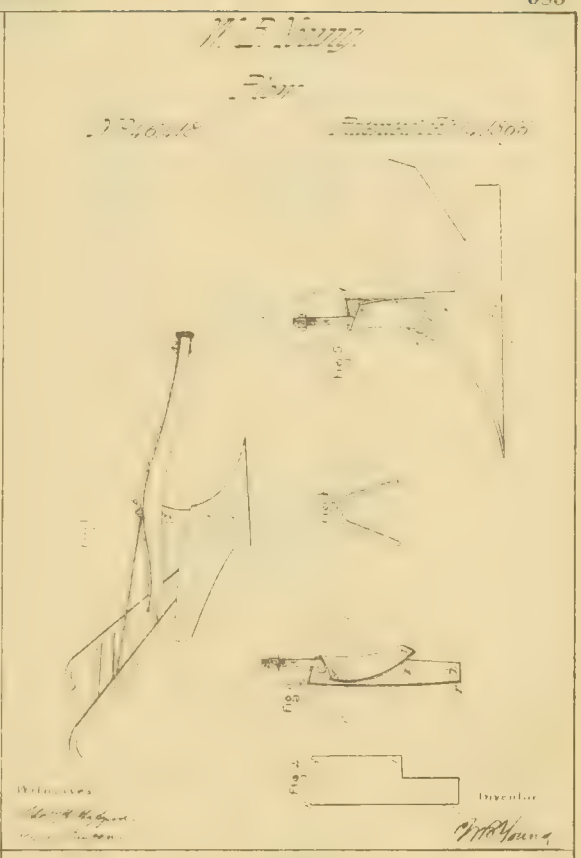
No. 269,002. Patented Dec. 12, 1882.

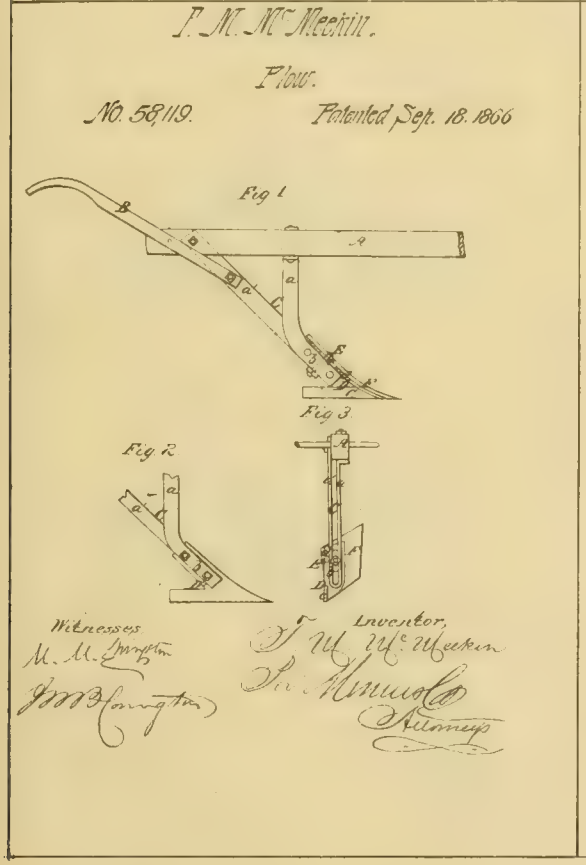


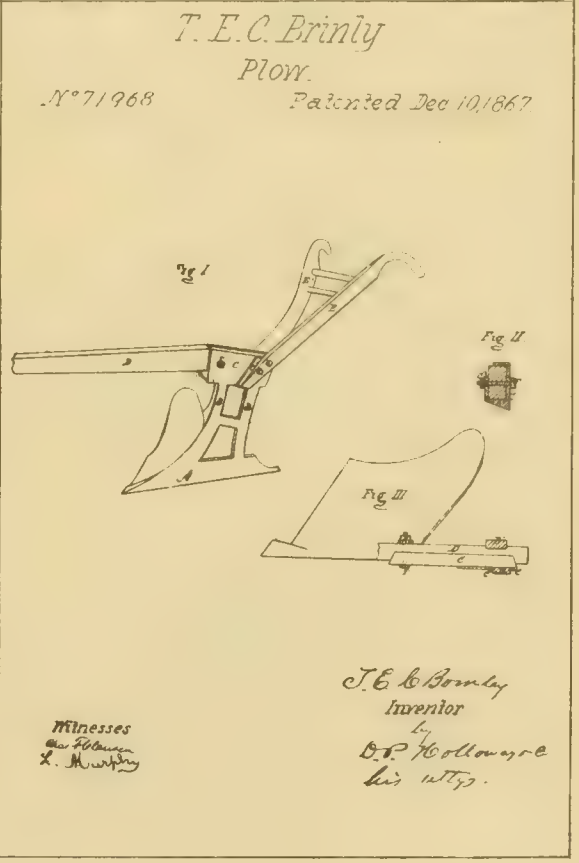
STANDARDS.

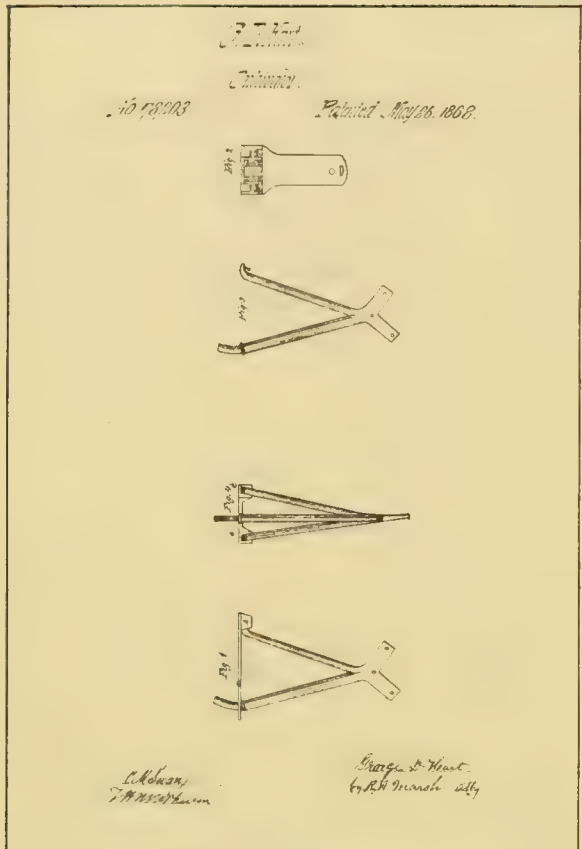
	Plate	*Claim*		*Plate*	*Claim*		*Plate*	*Claim*
Avery, G. C.	991	609	Lane, J.	986	607	Semmes, R. T.	991	609
Boger, H.	987	607	Lindahl, D	992	609	Smith, A. B.	987	607
Brannan, F. P.	986	607	Loeb, P.	987	607	Speer, W. W.	989	608
Brinly, T. E. C.	985	607	McMeekin, F. W.	985	607	Speer, J. T.	989	608
Brown, W. P.	991	609	Mead, S.	989	608	Templin, T. T.	991	609
Daniels, W. H.	988	608	Meikle, T.	990	608	Van Every, C. M.	987	607
Finnegan, J.	990	608	Monroe, J. H.	989	608	Warlick, N.	985	607
Hart, G. D.	986	607	Phillips, J.	988	608	Young, W. B.	985	607
Haven, G. S.	990	608	Pope, S. W.	986	607			
Kearney, B. S.	988	608	Ryan, J. F.	990	608			

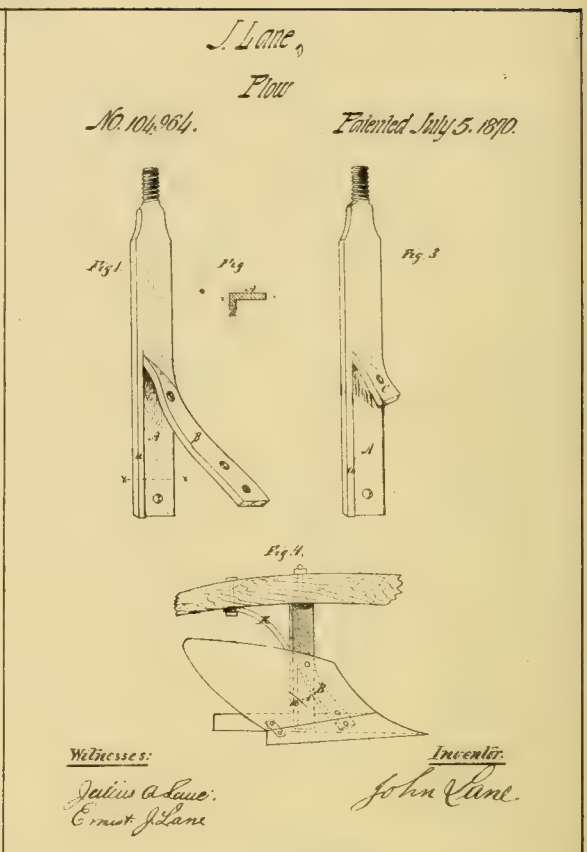

Plow
Patented Oct 20, 1865.

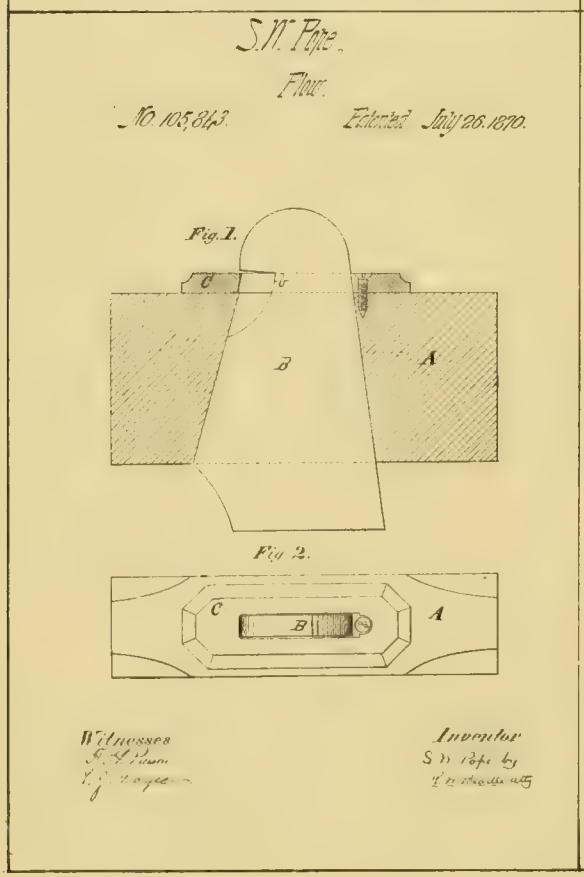

Plow
Inventor

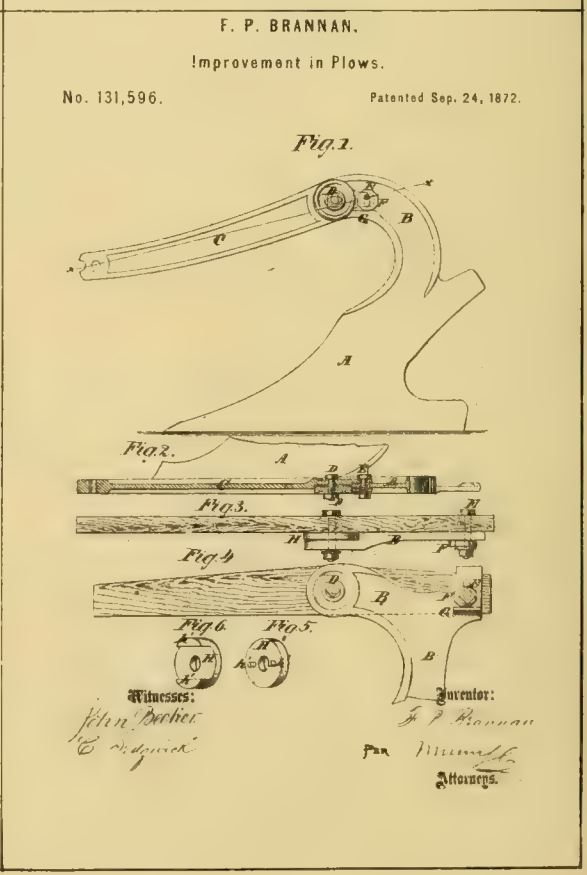

F. M. McMeekin.
Plow.
No. 58,119.
Patented Sep. 18. 1866
Fig 1
Fig 2
Fig 3
Witnesses
Inventor.


T. E. C. Brinly
Plow.
Patented Dec 10, 1867
Fig I
Fig II
Fig III
Witnesses
Inventor
by


No. 78,903
Patented May 26. 1868.
Witnesses
Inventor


J. Lane,
Plow
No. 104,964.
Patented July 5. 1870.
Fig. 1
Fig. 2
Fig. 3
Fig. 4.
Witnesses:
Julius A. Lane.
Ernest J. Lane
Inventor.
John Lane.

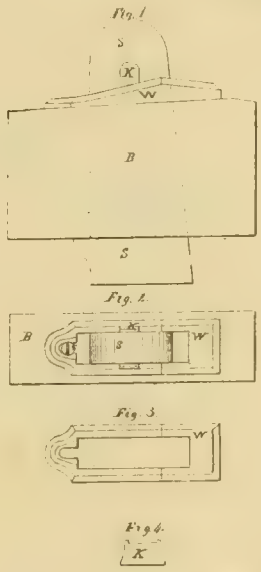

S. N. Pope.
Plow.
No. 105,843.
Patented July 26. 1870.
Fig. 1.
Fig. 2.
Witnesses
Inventor


F. P. BRANNAN.
Improvement in Plows.
No. 131,596.
Patented Sep. 24, 1872.
Fig. 1.
Fig. 2.
Fig. 3.
Fig. 4
Fig. 5.
Fig. 6.
Witnesses:
Inventor:
Attorneys.

A. B. SMITH.

Improvement in Plows.

No. 132,779. Patented Nov. 5, 1872.



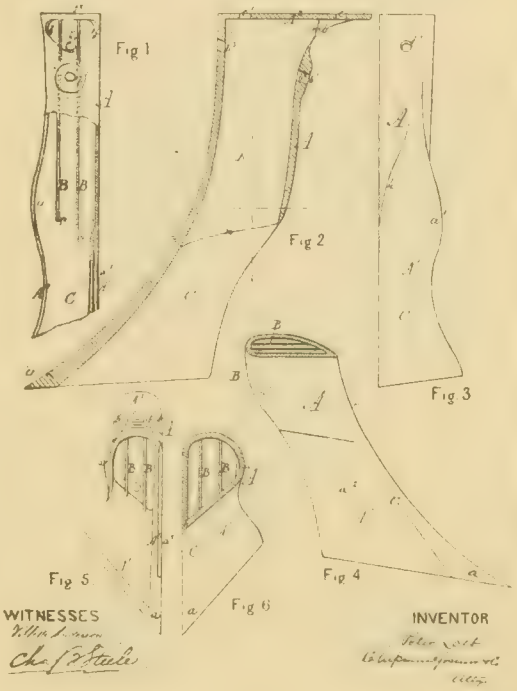
Witnesses.—
D. J. Brown
E. A. Jenkins

Ahr. B. Smith
By his Atty
J. S. Brown

P. LOEB.

Plows.

No. 140,053 Patented June 17, 1873.



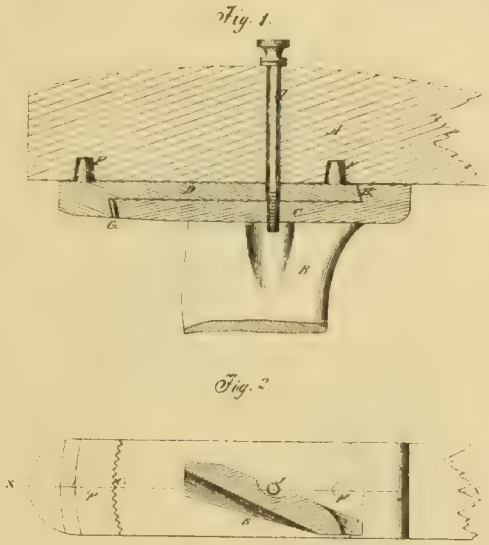
WITNESSES
Wm. L. Dawson
Chas. F. Steele

INVENTOR
Peter Loeb
by Dewey & Co.
Attys.

C. M. VAN EVERY.

Plows.

No 157,892. Patented Dec. 15, 1874



WITNESSES:
Gustave Lieteuc
A. T. Tiney

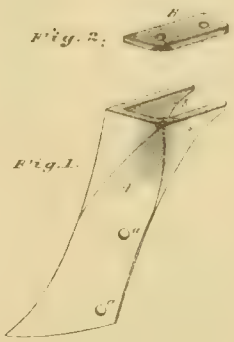
INVENTOR,
C. M. Van Every,
BY Munn & Co.
ATTORNEYS.

2 Sheets--Sheet 1

H. BORGER.

Plow-Standard.

No. 161,095 Patented March 23, 1875



Witnesses:
Sylvanus Miller
Charles Miller

Inventor.
Henry Borger
Crosby & Fuller
Attorneys

2 Sheets--Sheet 2

H. BORGER.
Plow-Standard.

No 161,095 Patented March 23, 1875

Fig. 3

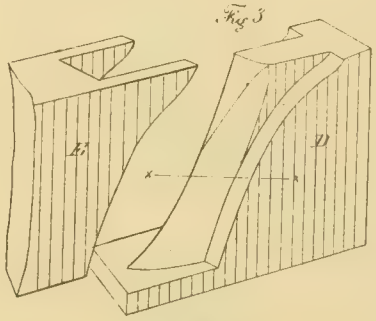


Fig. 4

Witnesses
A. S. E. Stephens
H. W. Thurlmonton

Inventor
Henry Borger
per Chas. H. Fowler
Atty.

W. H. DANIELS
Plow.

No. 168,235. Patented Sept. 28, 1875.

Fig. 1.

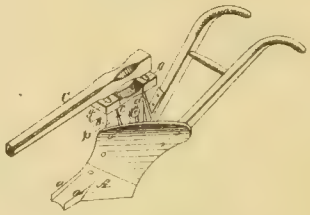


Fig. 2.

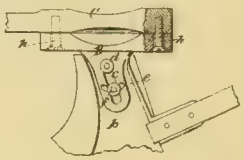


Fig. 3.

WITNESSES=
Jas. E. Kulchyson
J. W. Kister

INVENTOR.
Wm. H. Daniels
Wilson & Fitzhugh
Attorneys

J. PHILLIPS.
PLOW.

No. 170,764. Patented Dec. 7, 1875.

Fig. 1

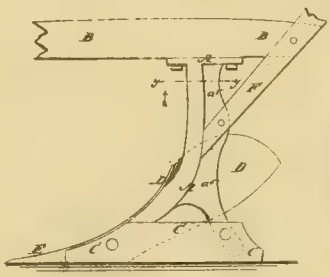


Fig. 2

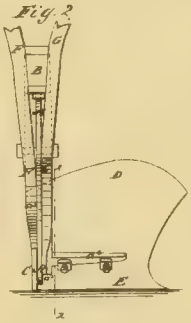


Fig. 3.

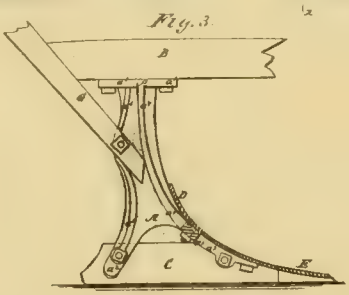


Fig. 4

WITNESSES:
E. Wolff
Alex F. Roberts

INVENTOR:
J. Phillips
BY
ATTORNEYS.

E. S. KEARNEY.
PLOW.

No. 174,539. Patented March 7, 1876.

Fig. 1

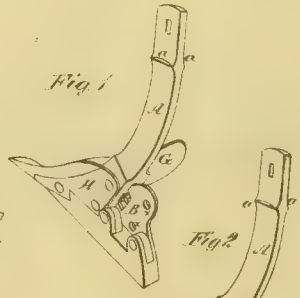


Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

WITNESSES
Robert Everett
Geo. H. Lanier

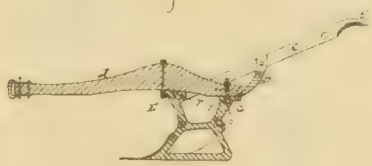
INVENTOR.
Benjamin S. Kearney
Gilmore & Co.
ATTORNEYS

S. MEAD.
PLOW.
No. 176,188. Patented April 18, 1876.

WITNESSES:
Charles O. Dann
Wm. D. Mead

INVENTOR
Solomon Mead

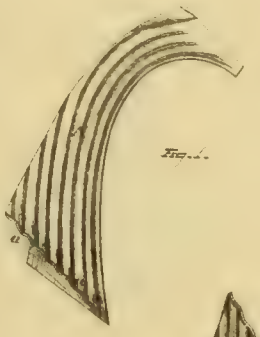
J. H. MONROE.
PLOWS.
No. 178,454. Patented June 6, 1876.

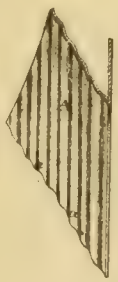


WITNESSES
Chas. W. Hall
R. K. Evans

INVENTOR
Jos. H. Monroe
by Munn & Co.
Washington, D.C.

W. W. SPEER.
PLOW-STANDARD.
No. 183,823. Patented Oct. 31, 1876.

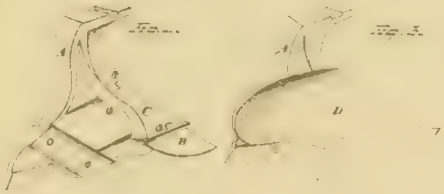


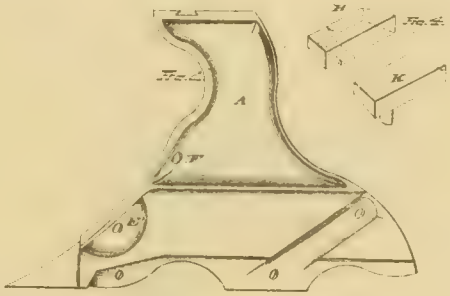


WITNESSES
Ed. S. Nottingham
Albert H. Bright

INVENTOR
W. W. Speer
By Dieggett & Diggett
ATTORNEYS

J. T. SPEER.
PLOWS.
No. 195,668. Patented Sept. 25, 1877



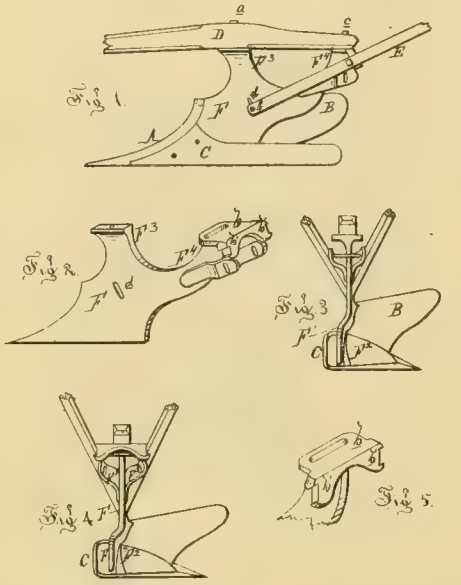


WITNESSES
E. S. Nottingham
A. H. Bright

INVENTOR
Joseph T. Speer.
By Dieggett & Diggett.
ATTORNEYS

J. FINNEGAN.
Plow.

No. 197,623. Patented Nov. 27, 1877.

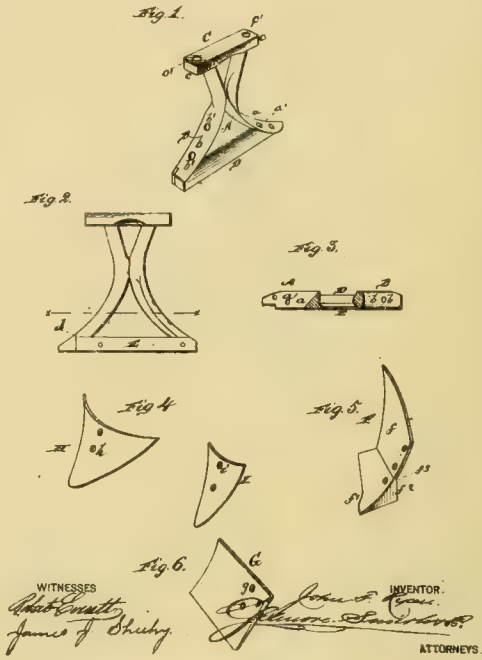


Witnesses:
H. L. Mills.
W. F. Spalding

Inventor:
J. Finnegan
By Atty
Thos. D. Sprague

J. F. RYAN.
Plow-Standard.

No. 206,830. Patented Aug. 6, 1878.

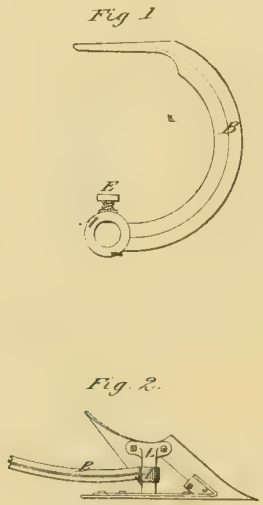


WITNESSES
Robert Emmett
James J. Shelby

INVENTOR.
John F. Ryan
Pierce, Sanborn & Co.
ATTORNEYS.

G. S. HAVEN.
Plow.

No. 208,680. Patented Oct. 8, 1878.

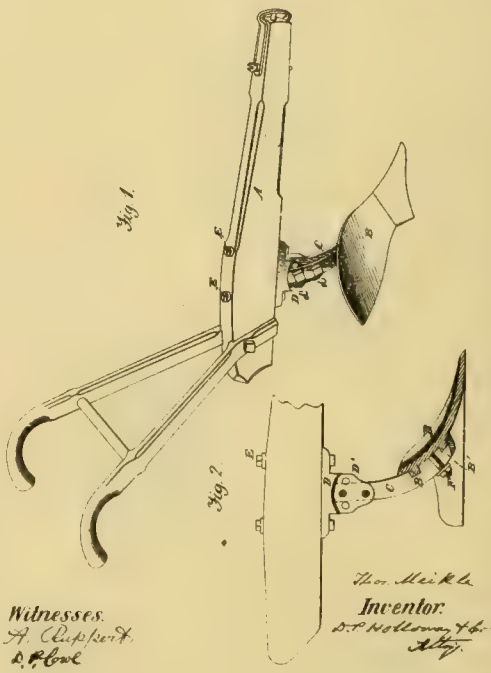


Witnesses:
James Fielding
Frank J. Gibson

Inventor
George S. Haven

T. MEIKLE.
Plow-Standard.

No. 209,284. Patented Oct. 22, 1878.

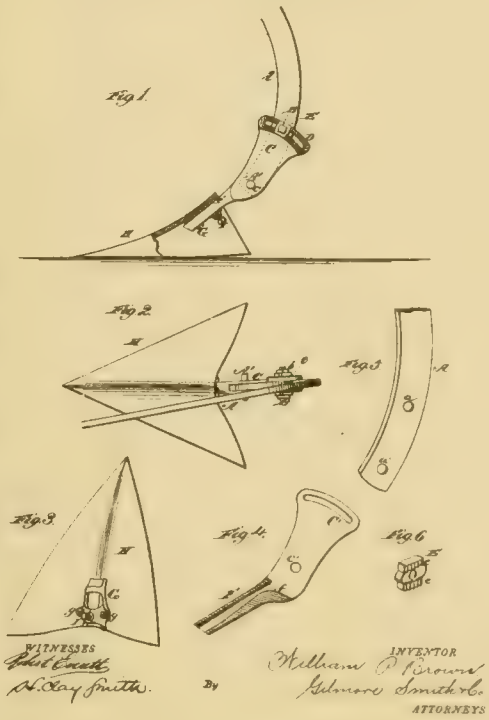


Witnesses.
A. Cupkert
D. F. Owl

Thos. Meikle
Inventor.
D. F. Holloway & Co.
Atty.

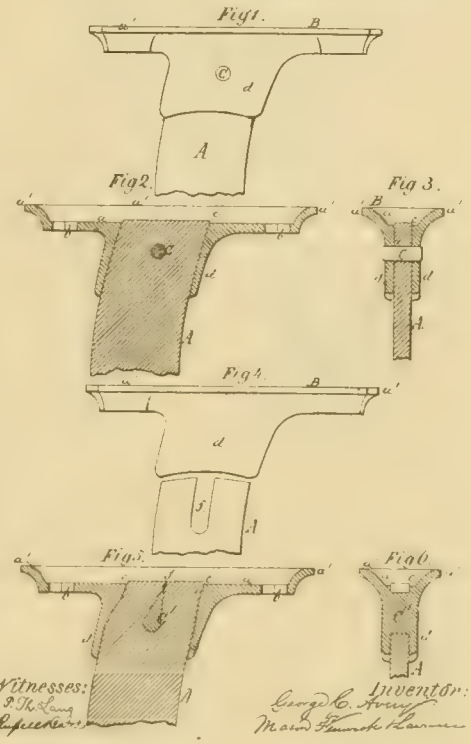
W. P. BROWN.
Plow Attachment.

No. 216,146. Patented June 3, 1879.



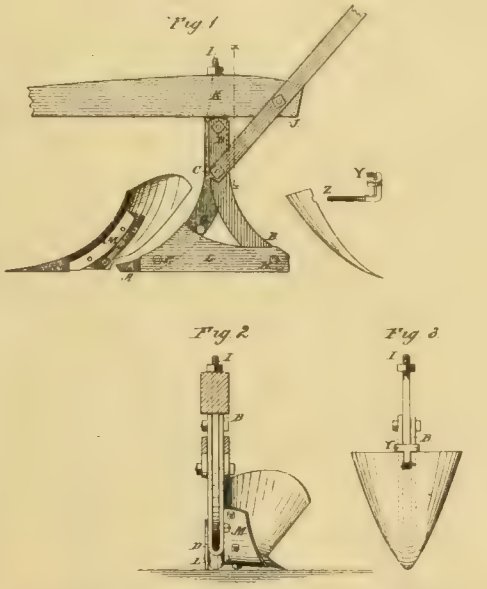
G. C. AVERY.
Plow-Standard.

No. 218,417. Patented Aug. 12, 1879.



R. T. SEMMES.
Plow.

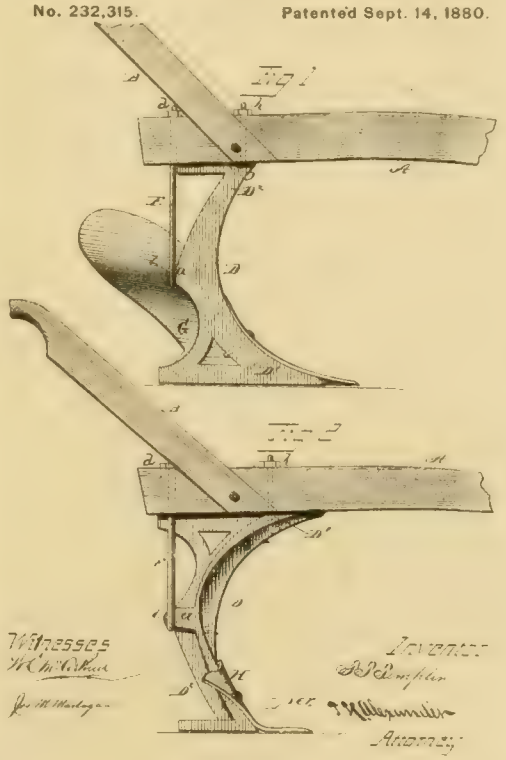
No. 225,425. Patented Mar. 9, 1880.



(No Model.)

T. T. TEMPLIN.
Plow.

No. 232,315. Patented Sept. 14, 1880.



D. LINDAHL.

PLOW.

No. 251,370. Patented Dec. 27, 1881.

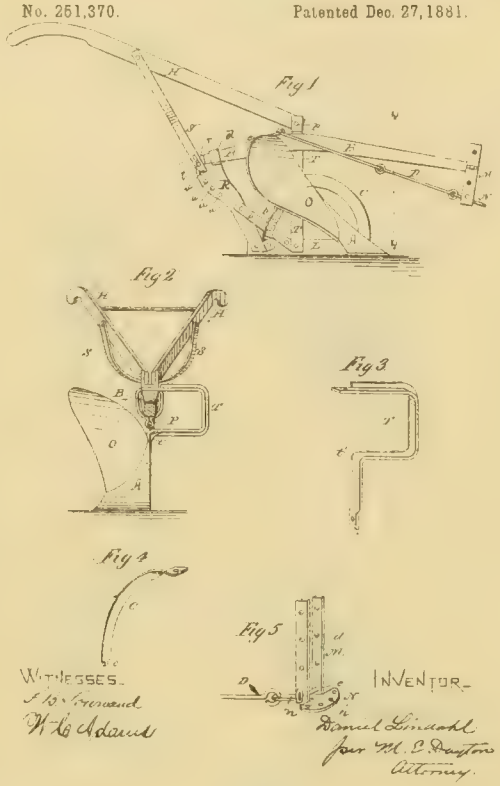
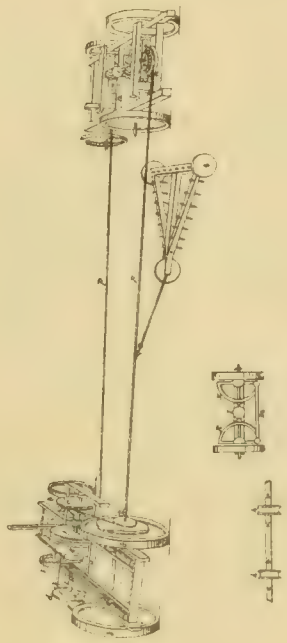


	Plate	Claim
Allen, I. S., Browen, M. P. and Moulthrop, C. W.	1028	632
Bassett, S. K.	1002	621
Beard, J.	1032	633
Beaumont, D.	1031	632
Beckett, W.	1021	629
Bellinger, E. C.	995	619
Benson, B. S.	1031	633
Benson, B. S.	1034	634
Benson, B. S.	1039	636
Benson, B. S.	1040	638
Benson, B. S.	1041	638
Bibb, W. C.	1026	631
Bigelow, A.	1004	622
Bonham, G. W.	1010	625
Bostwick, C. B.	1038	636
Brott, G. F.	1032	633
Brown, E.	1037	635
Brutschke, F.	1042	638
Burridge, T. H.	1005	622
Cowing, H.	995	619
" " (R)	996	619
Creuzbaur, R.	1023	630
Curtis, J.	1012	626
Darby, T. C.	1036	635
Delavigne, J. C.	1016	628
Evans, J. W.	1002	621
Evans, J. W.	1030	632
Eyth, M.	1917	928
Fawkes, J. W.	999	620
" " (R)	1000	621
Fawkes, J. W.	1003	622
Fawkes, J. W.	1010	625
Fogarty, J.	1030	632
Fogarty, J.	1033	633
Fogarty, J. H.	1042	639
Fowler, J. Jr.	1007	623
Fowler, J. Jr.	1007	623
Fowler, J. Jr. and Greig, D.	1007	623
Fowler, J. Jr.	1009	624
Fowler, J. Jr. and Worby, W.	1009	624
Fowler, J. Jr. Burton, R. Greig, D. and Head, J.	1010	625
Fowler, J. Jr.	1012	626
Fowler, J. Jr. Worby, W. and Greig, D.	1013	626
Fowler, J. Jr. Greig, D. and Noddings, R.	1013	626
Foye, W. H.	1035	635
Foye, W. H.	1035	634
Gardner, J M.	1044	640
Gatling, R. J.	997	619
Gibbs. L. H.	1024	630
Giles, J,	1029	632
Goddard, S. P	1032	633
Goodell, J. W.	1002	621
Gray, J. R.	998	620
Gray, N. A.	1011	625
Gray, N. A.	1016	628
Gwynn, S.	1005	622
Hall, A W.	1011	625
Hawkins, J.	1002	621
Heydrick, W. H. H.	1014	627
Heydrick, W. H. H.	1025	631
Hope, J. D.	995	619
Hyde, O.	1033	630
Hyde, O.	1027	631
Johnson C. F. Jr.	1013	626
Jones, E. C.	999	620
Jones, J.	1001	621
Kellogg, H.	999	620
Kennedy, A. L.	1022	630
Klingle, P.	1000	621
" " (R. I.)	1001	621
Knapp, J. G.	1020	629
Locher, C.	1016	628
Lynn, M. N.	1021	629
Lyna, M. N.	1025	631
McCray, T. H.	1036	635
McCray, T. H.	1036	635
McDonald, P. J.	1028	631
McGaughey, A. E. and S. N.	1003	622
McGaughey, A. E.	1027	631
McLean, J. W.	1003	622
Marquis, J.	1016	628
Millen, W. H. H.	1006	623
Miller, H.	1026	631
Moeser, H.	999	620
Northcott, J. H.	1018	629
Olmsted, O. A.	1032	633
Otis, E. G.	998	620
Paine, H. E.	1015	627
Ramsay, G. M.	997	620
Ramsay, G. M.	1003	622
Redmond, O.	1014	626
Reynolds, J.	1007	623
Reynolds, S. G.	1010	625
Rose, R. E.	1039	636
Rider, Z.	1025	631
Romaine, R.	997	619
Saladee, C. W.	1008	624
Shaw, P.	997	619
Shotwell, S. L. and Hicks, S. R.	1008	624
Simonson, G.	1013	626
Smith, J. K.	1008	624
Speer, J.	1005	622
Spencer, D B.	998	620
Standish, P. H.	1015	627
Stark, T. C.	1031	632
Stevens, A. J.	1019	629
Stewart, L.	1018	629
Stoddard, W.	1000	621
Stone, R.	1044	640
Taveau, A. L.	1020	629
Thayer, A. P.	1011	625
Tice, I. P.	1024	630
Tounley, E. A. and Friedrich, E. S.	1017	628
Ward, W. E.	998	620
Wilkins, S. B.	1018	628
Willard, G.	1015	627
Wilson, J. T.	1022	630
Woodruff, T T.	1043	639
Woolfolk, L. B.	1004	622
Woolfolk, L. B.	1004	622
Yost, G. W. N.	1001	621

E. C. BELLINGER.

Steam-Plow.

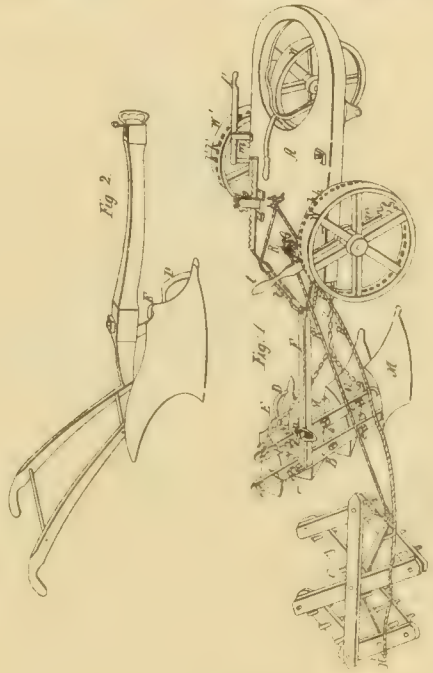
Patented Nov. 19, 1832.



J. D. Hoyne.

Steam Plow.

No. 7,416. Patented Jan. 4, 1850.



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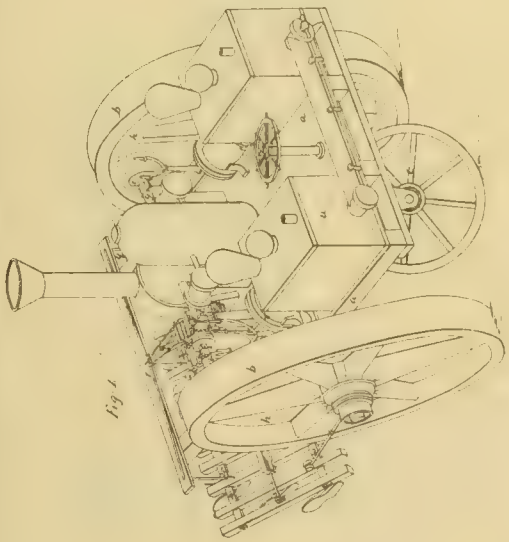
H. Ewing.

Steam Plow.

No. 7,795. Patented Nov. 26, 1850.



Sheet 2, 3 Sheets.

H. Ewing.

Steam Plow.

No. 7,795. Patented Nov. 26, 1850.

Fig. 2

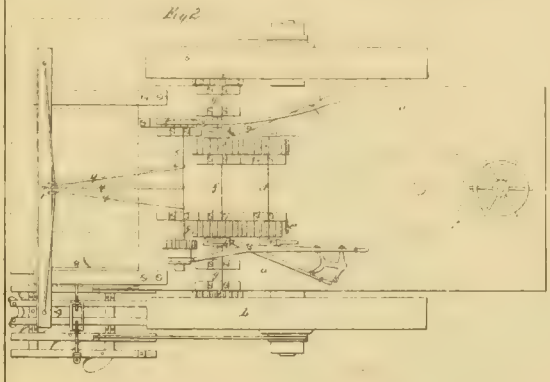
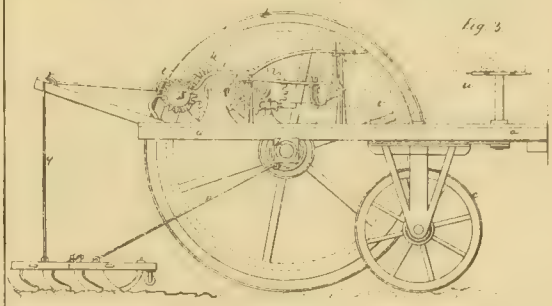


Fig. 3



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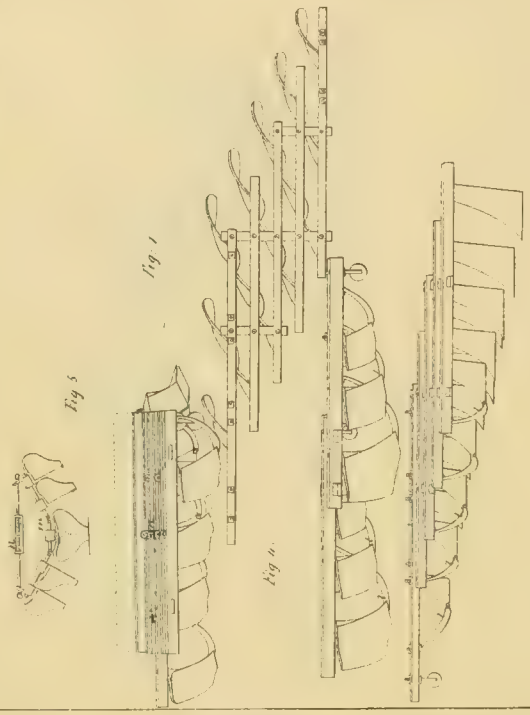
H. Cowing.

Steam Plow.

No. 7,795. Patented Nov. 26, 1850.



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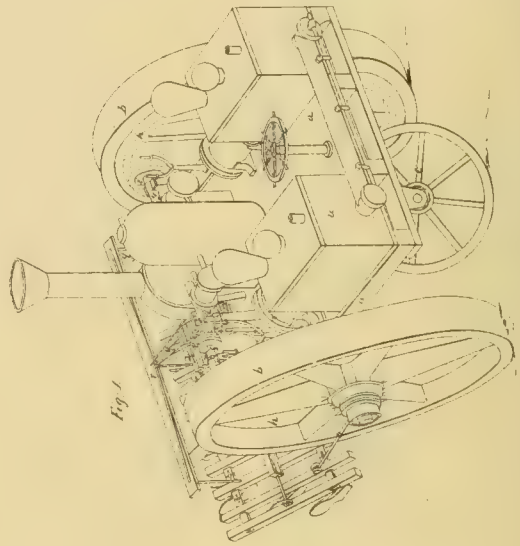
H. Cowing.

Steam Plow.

No. 1,041. Reissued Sept. 11, 1860.



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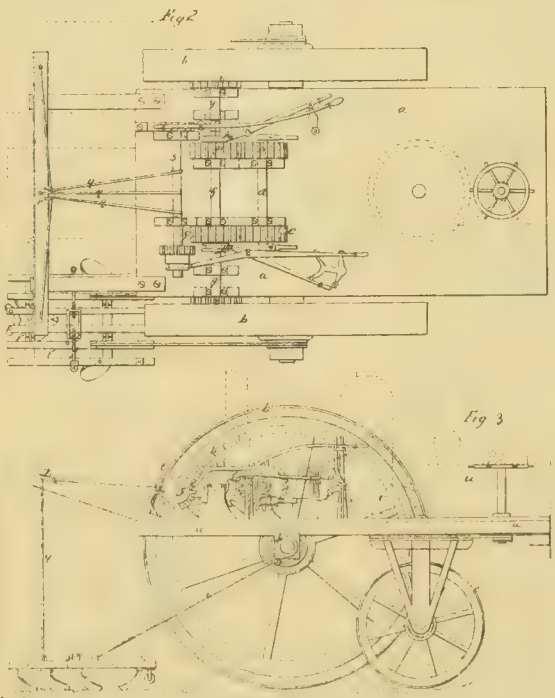
H. Cowing.

Steam Plow.

No. 1,041. Reissued Sept. 11, 1860.



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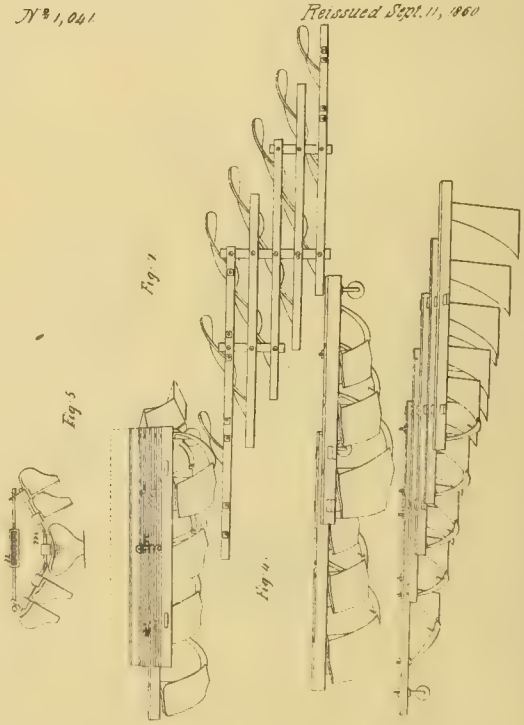
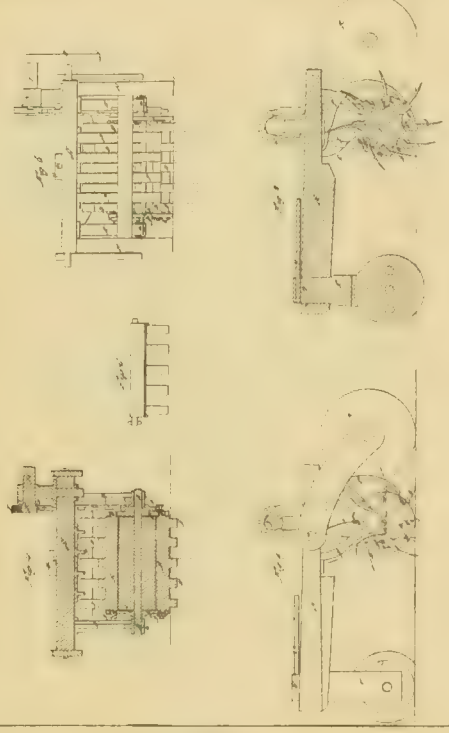
H. Cowing.

Steam Plow.

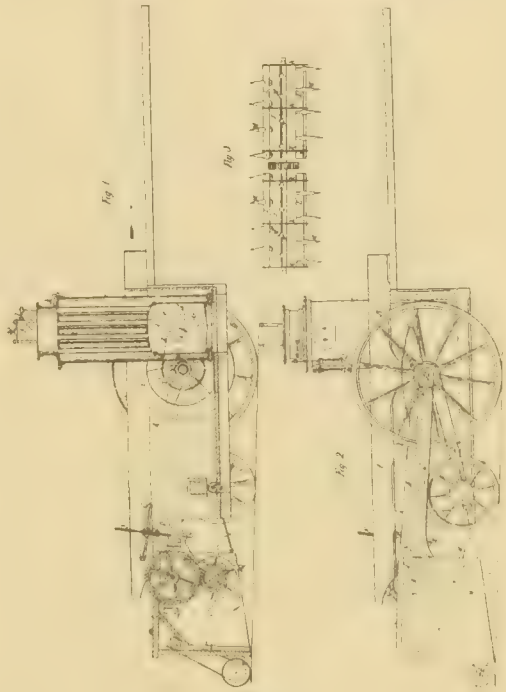
No. 1,041. Reissued Sept. 11, 1860.



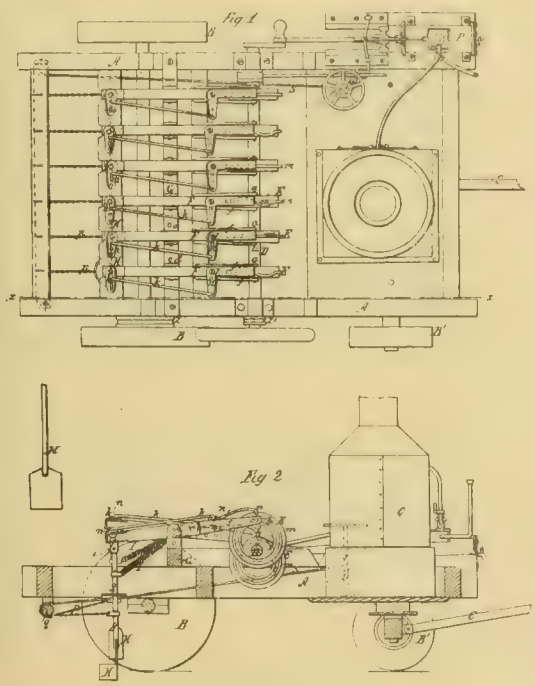
P. Shaw.
Steam Plow.
No. 10,646 Patented Mar. 11, 1854.



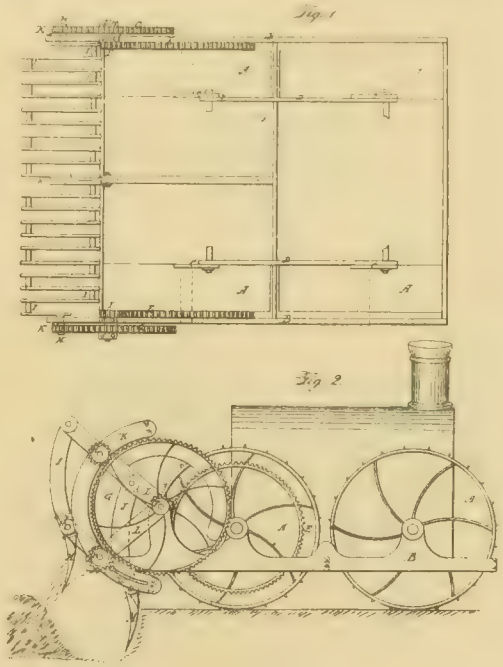
R. Romaine.
Steam Plow.
No. 12,447 Patented Feb. 27, 1855.



R. J. Gatling.
Steam Plow.
No. 16,476 Patented Jan. 27, 1857.



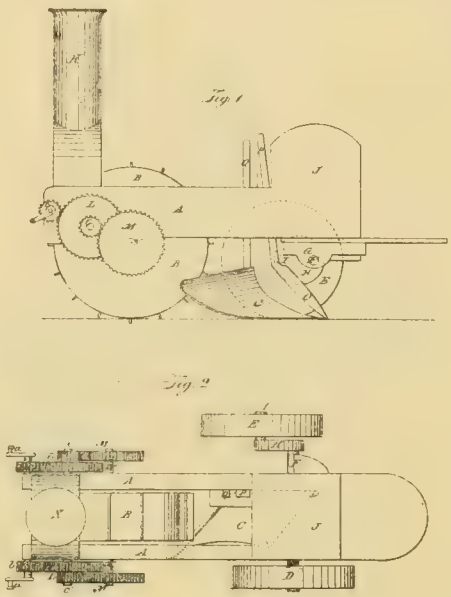
G. M. RAMSAY.
Steam Plow.
No. 16,807. Patented Mar. 10, 1857.



D. B. SPENCER

Steam Plow.

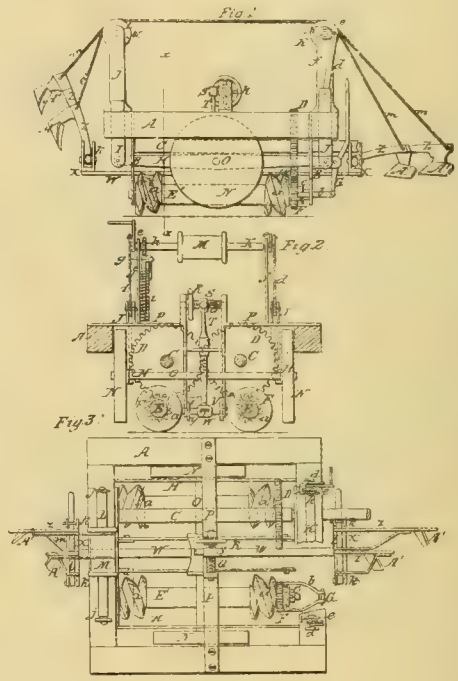
No. 16,937. Patented Mar. 31, 1857.



J. R. GRAY.

Steam-Plow.

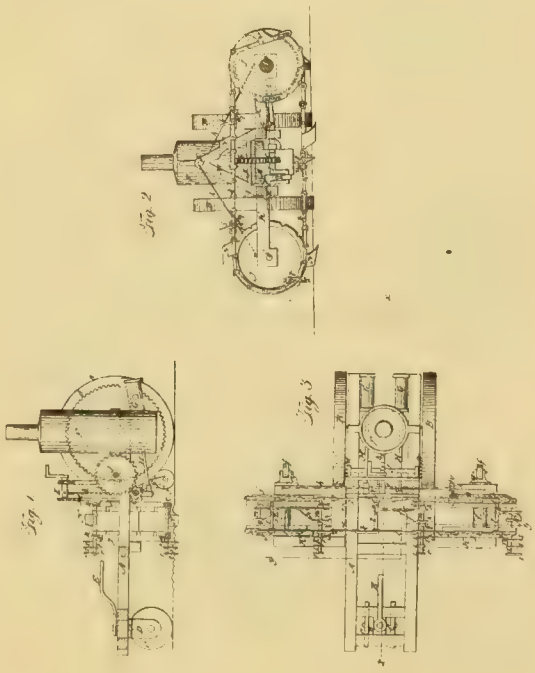
No. 18,446. Patented Oct. 20, 1857



E. G. OTIS.

Steam-Plow

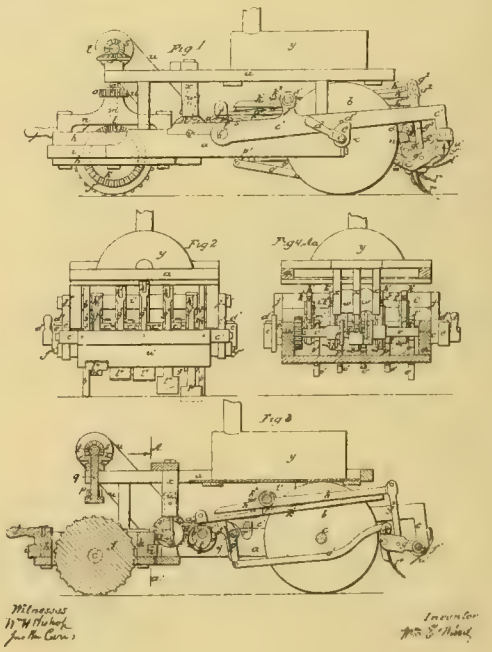
No. 18,468 Patented Oct. 20, 1857.



W. E. WARD.

Steam Plow.

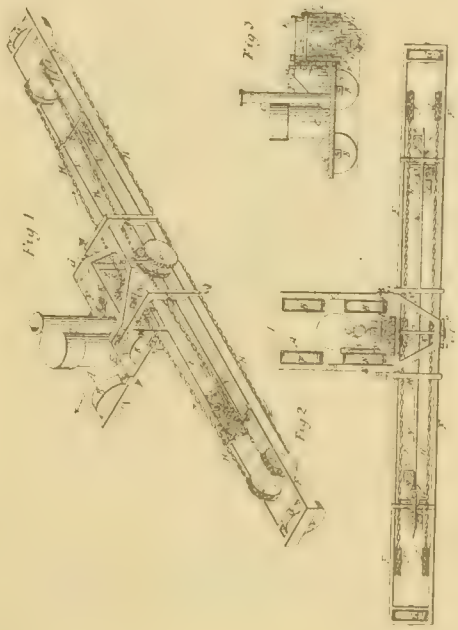
No. 18,479. Patented Oct. 20, 1857.



H. MOESER

Steam-Plow

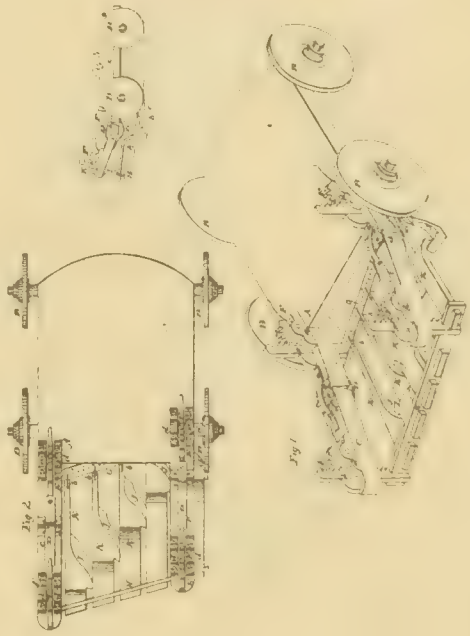
No. 18,296 Patented Nov. 10, 1857



E. C. JONES

Steam-Plow

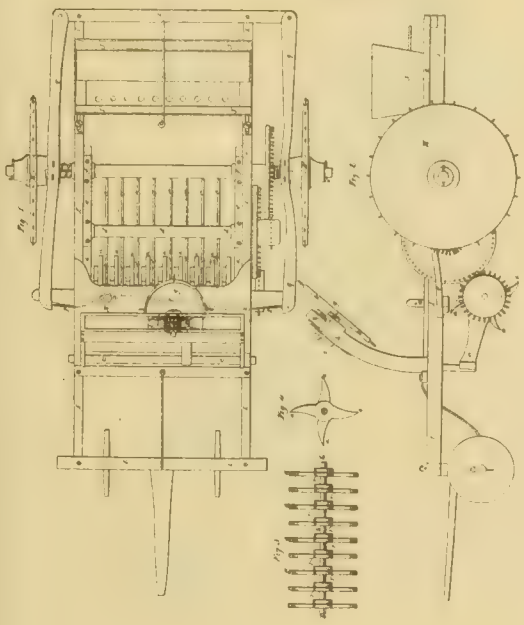
No. 18,748 Patented Dec. 1, 1857



H. Kellogg.

Steam Plow.

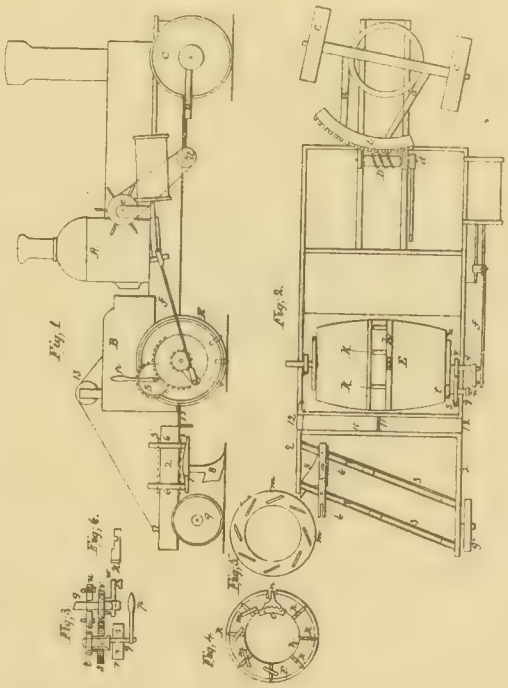
No. 18,953 Patented Dec. 15, 1857



J. W. Fawkes

Steam Plow.

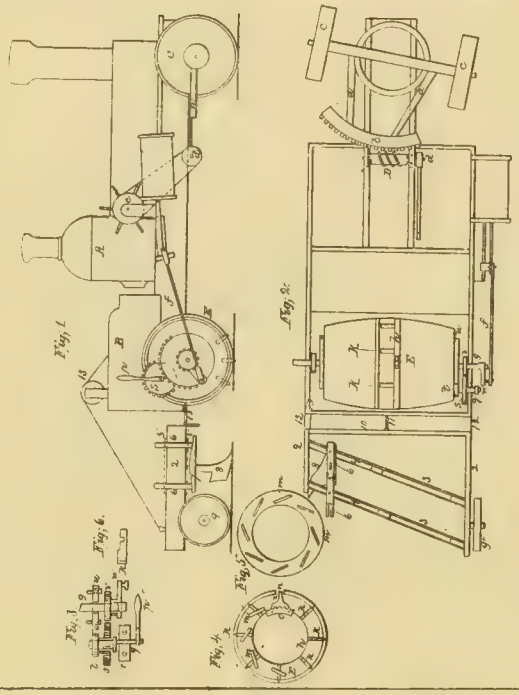
No. 19,189. Patented Jan. 26, 1858



J. W. Fawkes.

Steam Plow.

No. 855. Reissued Nov. 22, 1859.



W. Stoddart.

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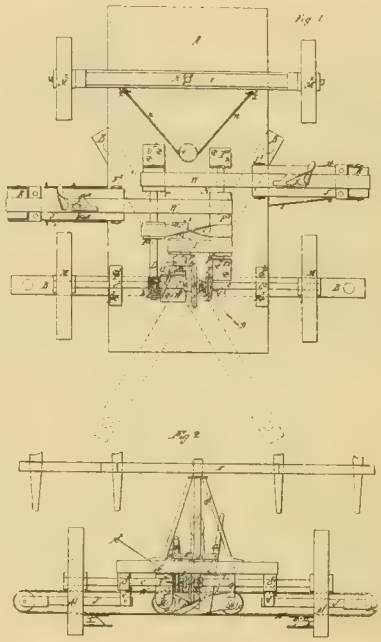
Steam Plow.

No. 19,215. Patented Nov. 26, 1858.

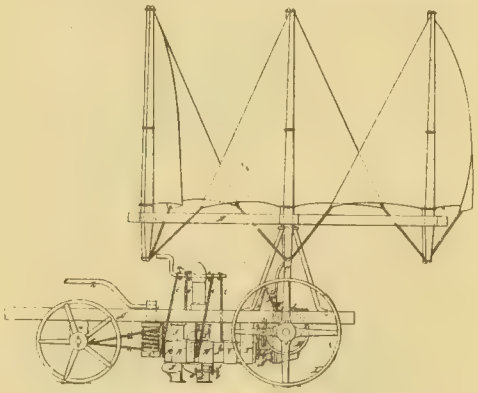


W. Stoddart.

Sheets 2 Sheets

Steam Plow.

No. 19,215. Patented Nov. 26, 1858.



Witnesses.

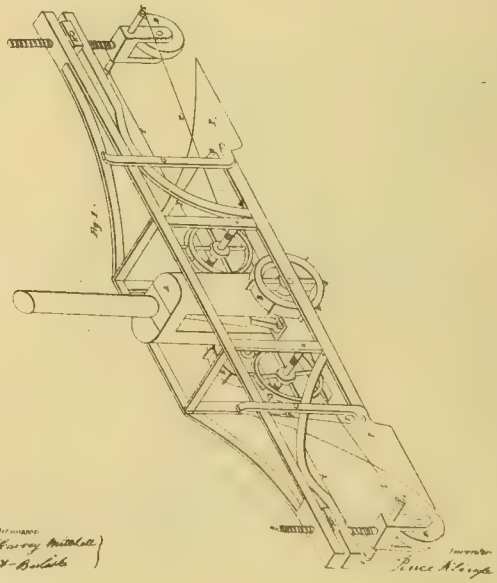
Inventor.

Sheet 1, 2 Sheets.

P. Mingle.

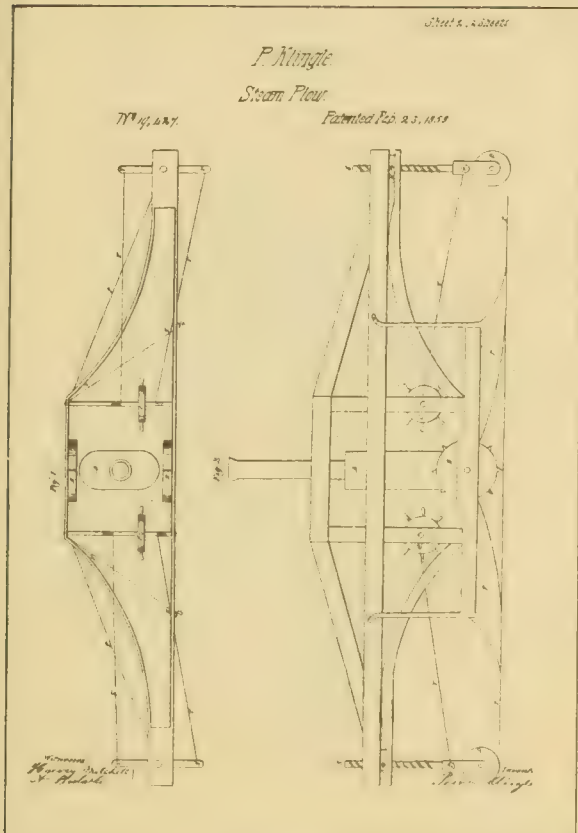
Steam Plow.

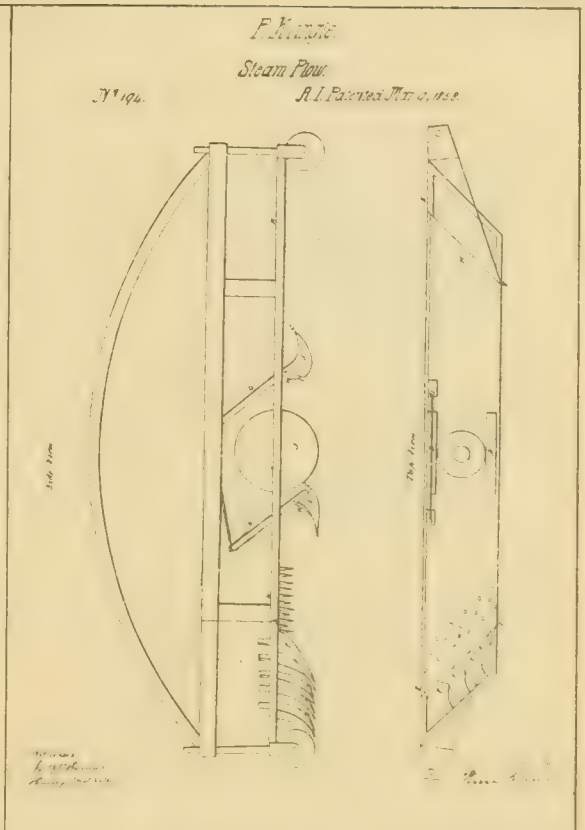
No. 19,427. Patented Feb. 23, 1858.

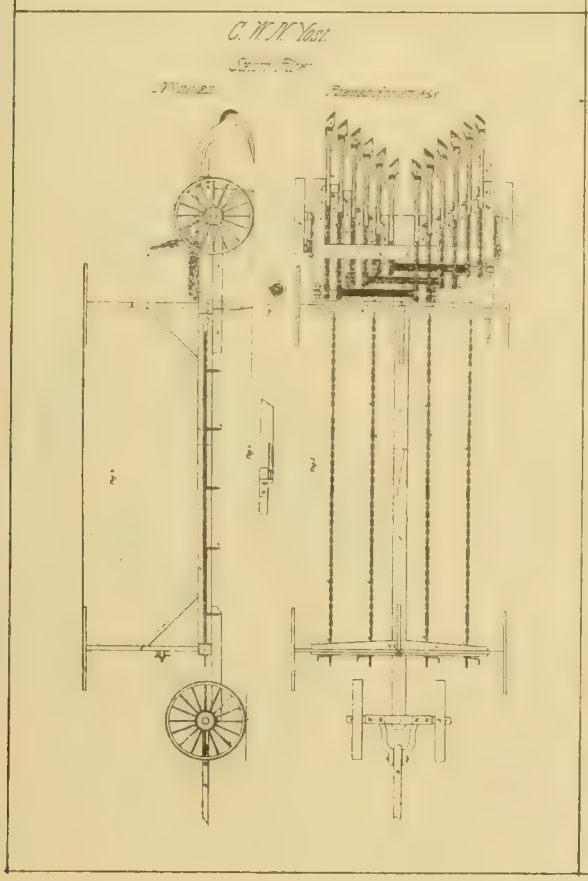


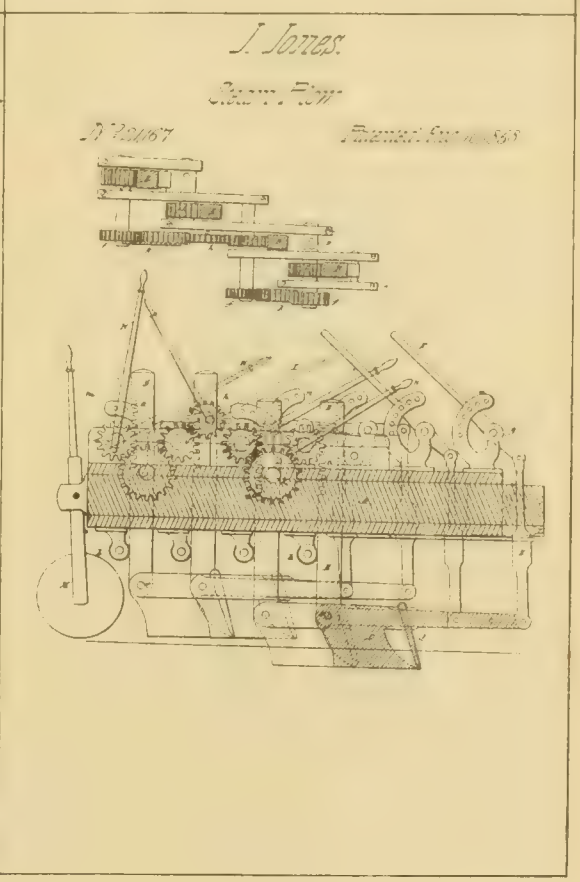
Witnesses.

Inventor.


P. Klingle
Steam Plow
Patented Feb. 23, 1858


P. Klingle
Steam Plow
Patented Mar. 9, 1858

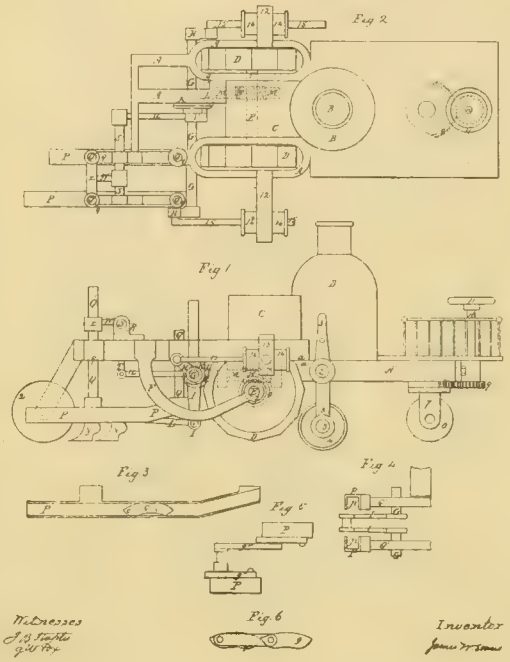

C. W. W. Yost.
Steam Plow


J. Jones.
Steam Plow

J. W. Evans.

Steam Plow

No. 21,661. Patented Oct. 5, 1858



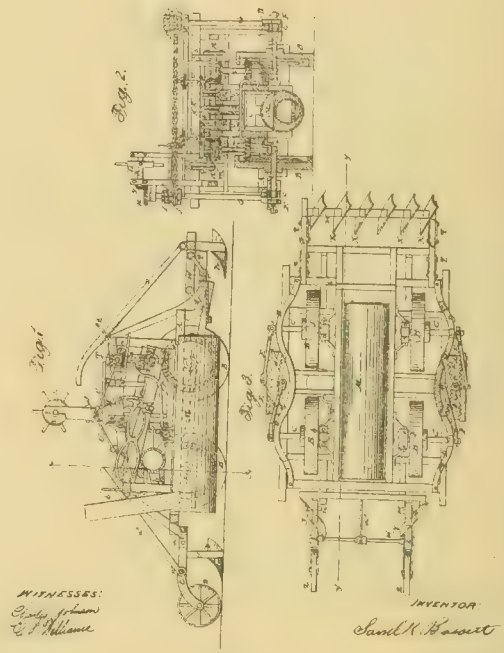
Witnesses
J. G. Fowler
G. W. Fox

Inventor
James W. Evans

S. K. BASSETT.

Steam-Plow.

No. 22,848. Patented Feb. 8, 1859.



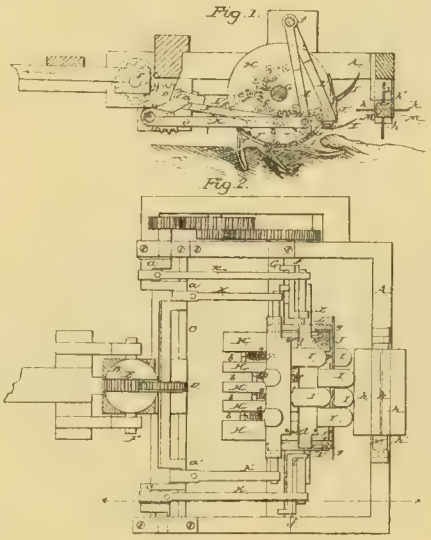
WITNESSES:
Charles Johnson
C. F. Williams

INVENTOR:
Saml. K. Bassett

J. W. GOODELL.

Steam-Plow.

No. 23,767. Patented Apr. 26, 1859.



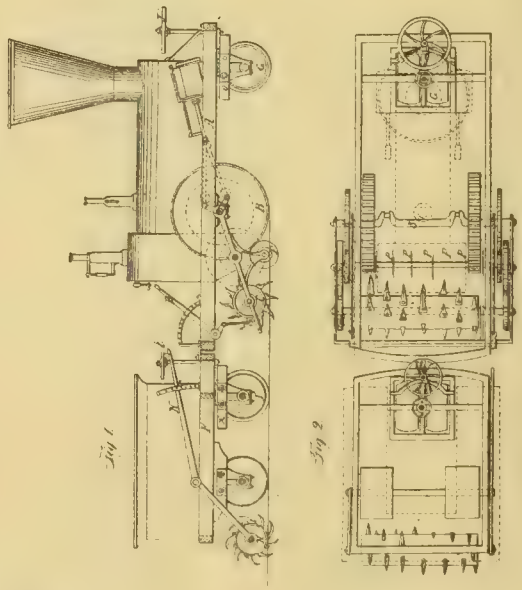
Witnesses:
Hiram Goodell
George Howard

Inventor.
J. W. Goodell

J. HAWKINS.

Steam-Plow.

No. 25,826. Patented Oct. 18, 1859.



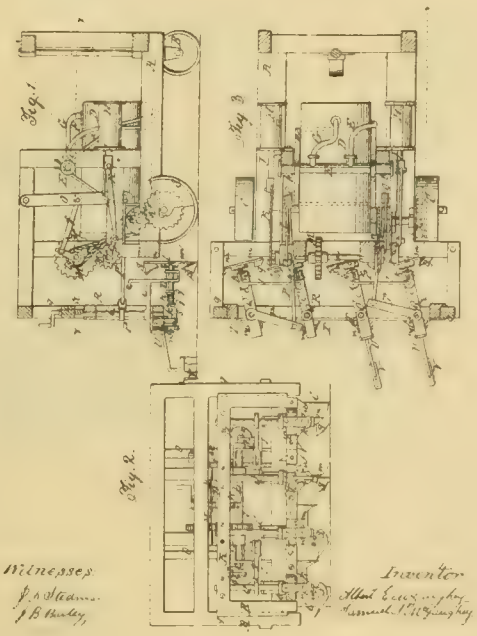
Witnesses:
J. A. Young
R. Edmunds

Inventor.
Jas. Hawkins

A. E. & S. N. McGAUGHEY.

Steam-Plow

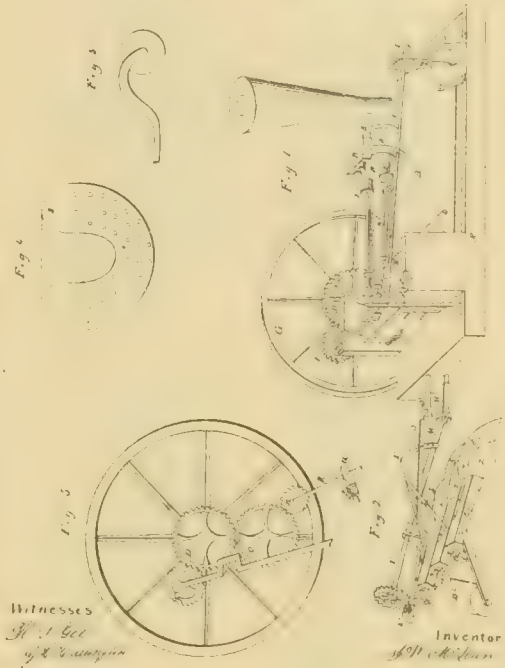
No. 26,279. Patented Nov. 29, 1859.



J. W. McLean

Steam Plow

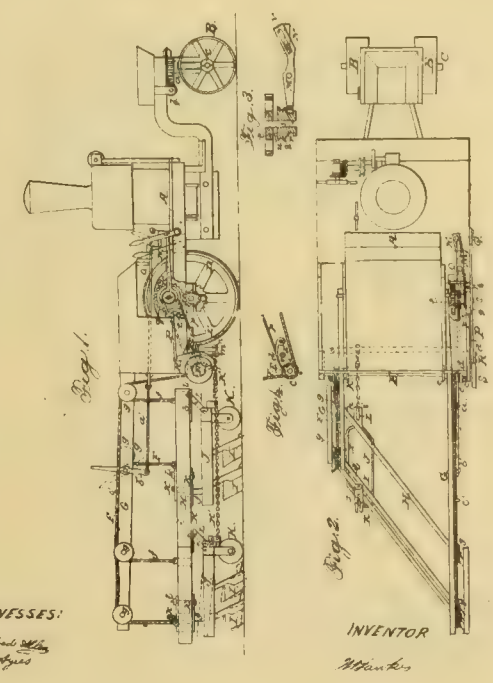
No. 26,397.



J. W. FAWKES.

Steam-Plow

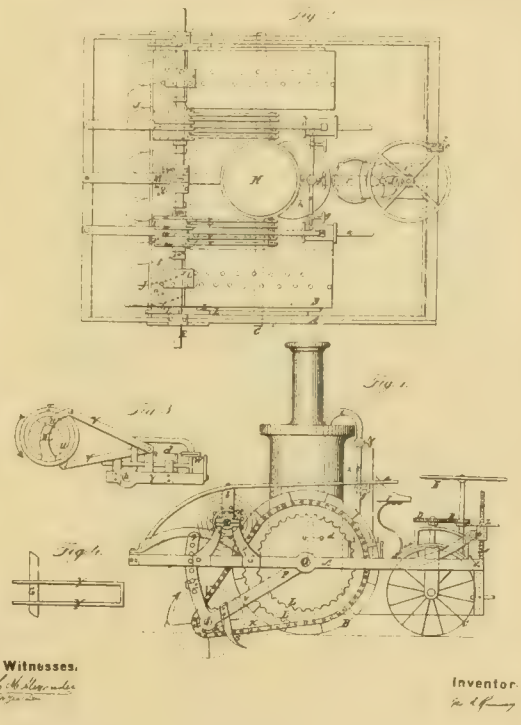
No. 26,422. Patented Dec. 13, 1859.



G. M. RAMSAY.

Steam Plow.

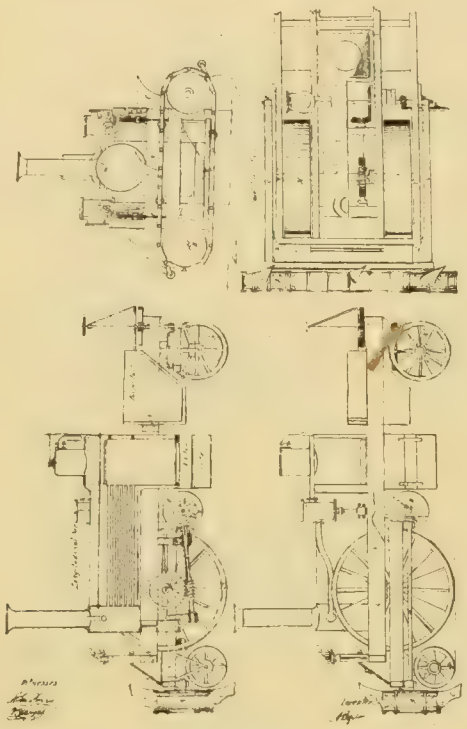
No. 27,242. Patented Feb. 21, 1860.



A. Bigelow.

Steam Plow.

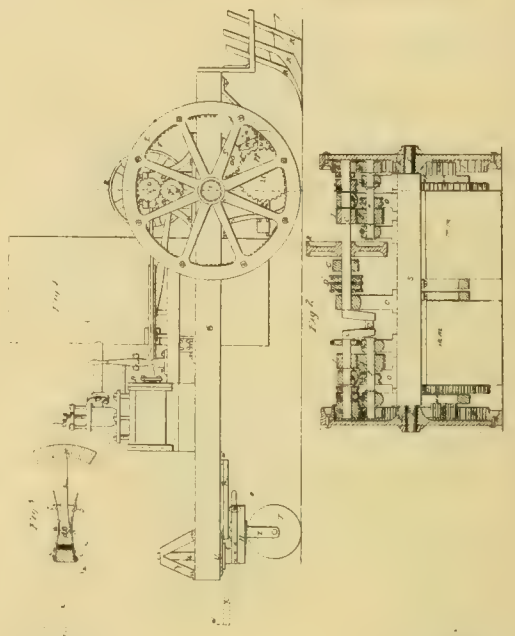
No. 28,738. Patented Jun. 19, 1860.



L. E. Woolfolk. Sheet 1 Sheets.

Steam Plow.

No. 28,801. Patented Jun. 19, 1860.



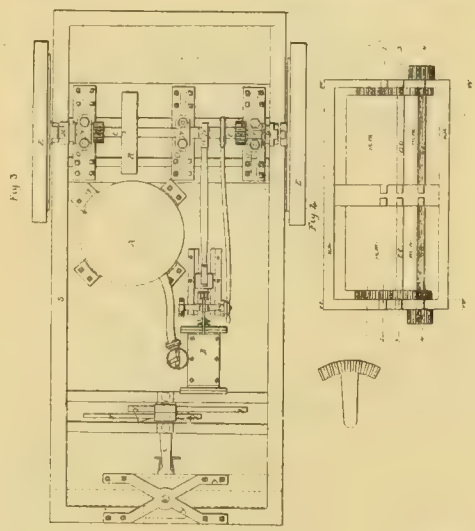
Witnesses
L. M. Alexander
A. N. Yeatman

Inventor
L. B. Woolfolk

L. E. Woolfolk. Sheet 2 Sheets.

Steam Plow.

No. 28,801. Patented Jun. 19, 1860.



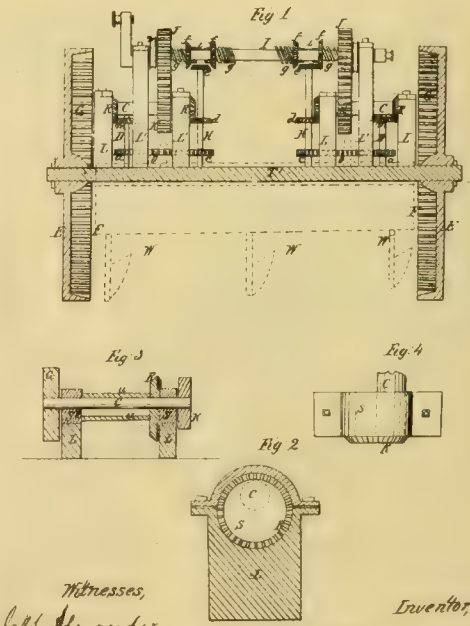
Witnesses
L. M. Alexander
A. N. Yeatman

Inventor
L. B. Woolfolk

L. B. Woolfolk.

Steam Plow.

No. 28,933. Patented Jun. 26, 1860.



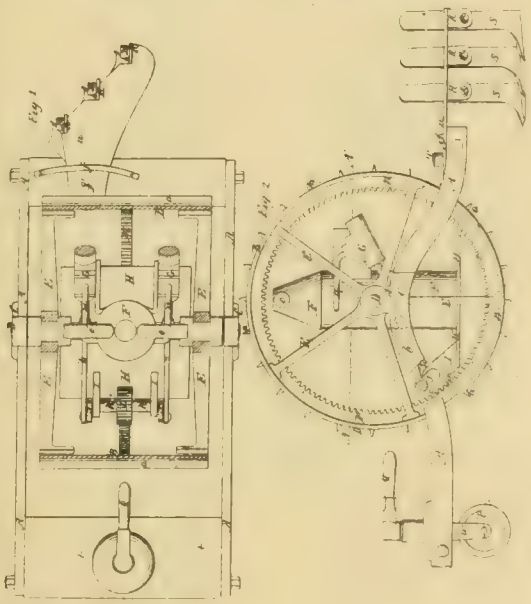
Witnesses,
C. M. Alexander
A. N. Yeatman

Inventor,
L. B. Woolfolk

T. H. Burridge.

Steam Plow.

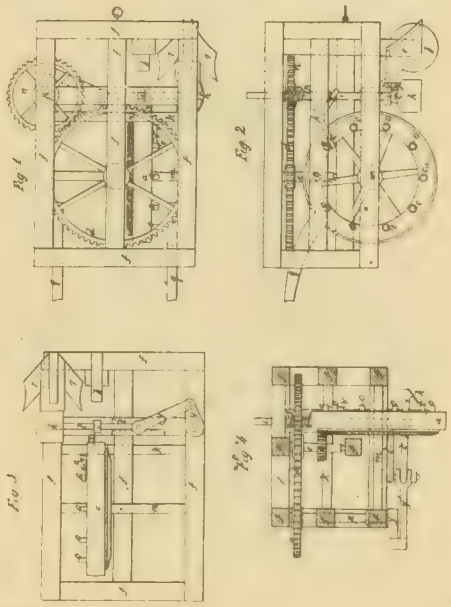
No 29,358. Patented Jul. 31, 1860



J. Speer.

Steam Plow.

No 29,413. Patented Jul. 31, 1860



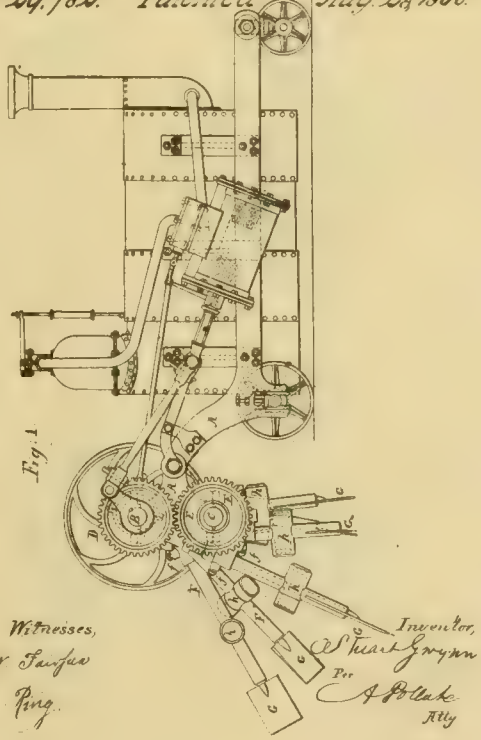
Witnesses,
W. H. Miller
H. H. Muskett

Inventor,
Jesse Speer

S. Gwynn. Sheet 1. 5 Sheets.

Steam Spader.

No 29,782. Patented Aug. 28, 1860.



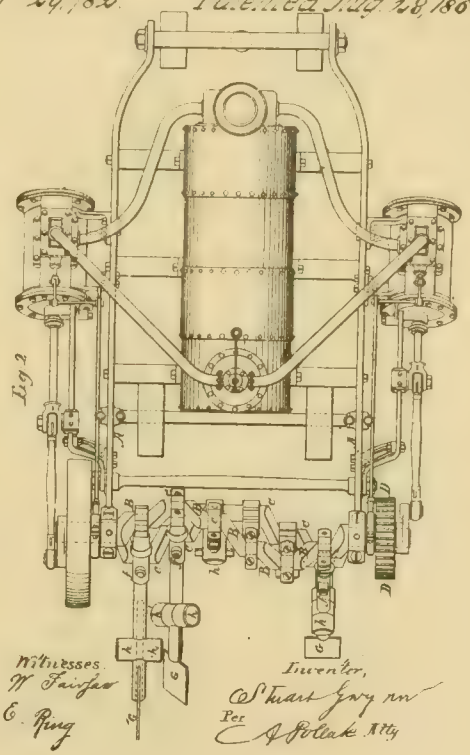
Witnesses,
W. Faulkner
C. Ring.

Inventor,
Stuart Gwynn
Per
A. Pollak
Atty

S. Gwynn Sheet 2 5 Sheets.

Steam Spader

No 29,782. Patented Aug. 28, 1860



Witnesses.
W. Faulkner
C. Ring

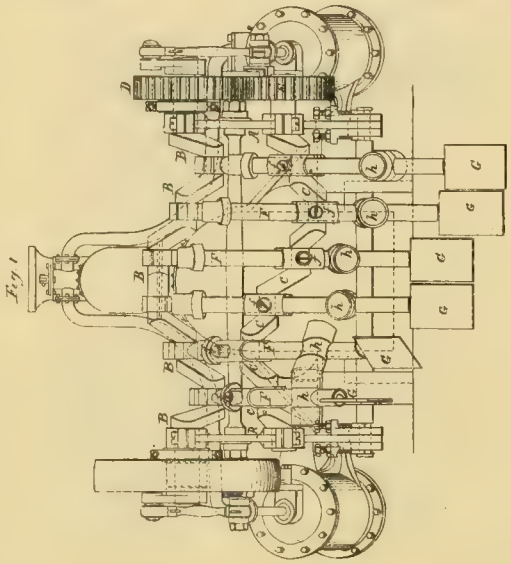
Inventor,
Stuart Gwynn
Per
A. Pollak Atty

Sheet 3, 5 Sheets.

S. Guynn.

Steam Spader.

No. 29,782. Patented Aug. 28, 1860.



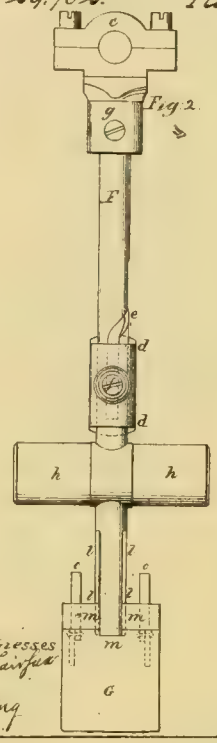
Witnesses,
W. Fairfax
E. Ring.

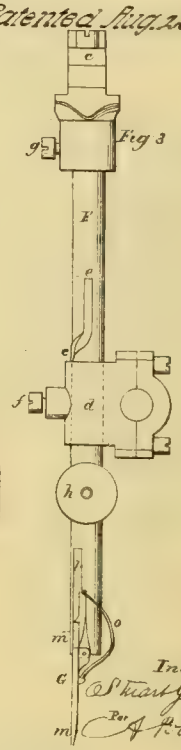
Inventor.
Stuart Guynn
Per
A. Pollak Atty

S. Guynn. Sheet 4, 5 Sheets.

Steam Spader

No. 29,782. Patented Aug. 28, 1860





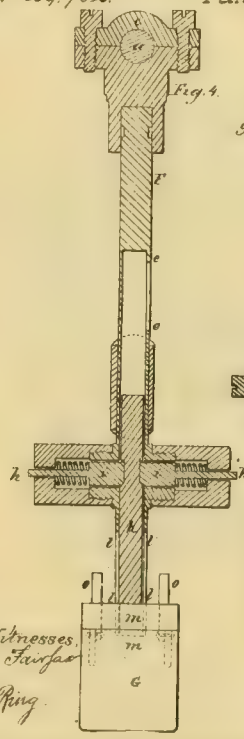
Witnesses
W. Fairfax
E. Ring

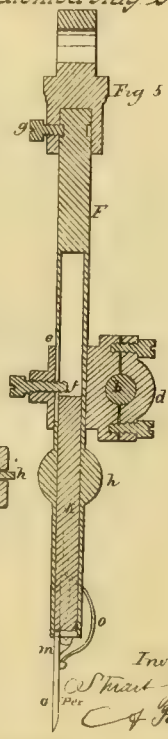
Inventor,
Stuart Guynn
Per
A. Pollak Atty

S. Guynn. Sheet 5, 5 Sheets.

Steam Spader.

No. 29,782. Patented Aug. 28, 1860





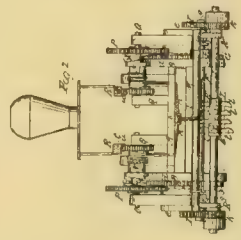
Witnesses,
W. Fairfax
E. Ring.

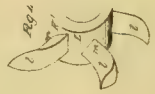
Inventor,
Stuart Guynn
Per
A. Pollak Atty

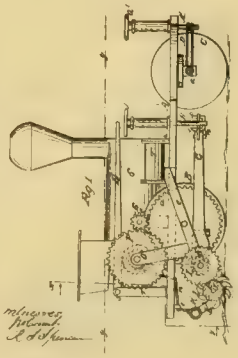
W. H. H. Millen.

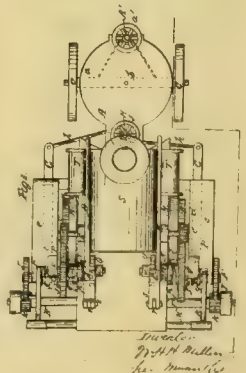
Steam Plow.

No. 30,884. Patented Dec. 11, 1860.









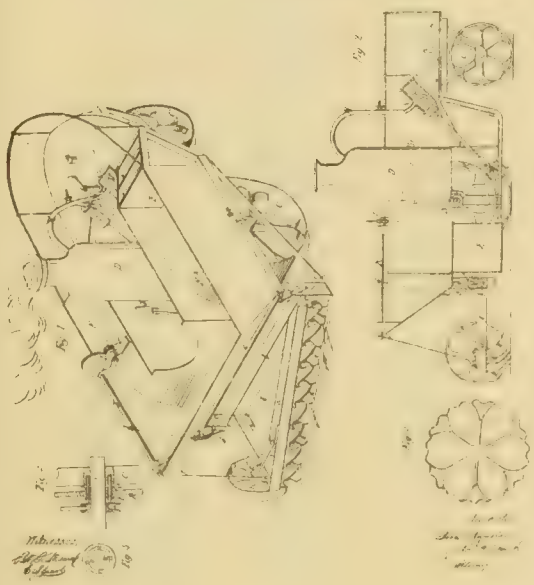
Witnesses
W. H. Fairfax
E. Ring

Inventor
W. H. H. Millen
per Munn & Co
Attorneys

J. Reynolds.

Steam Plow.

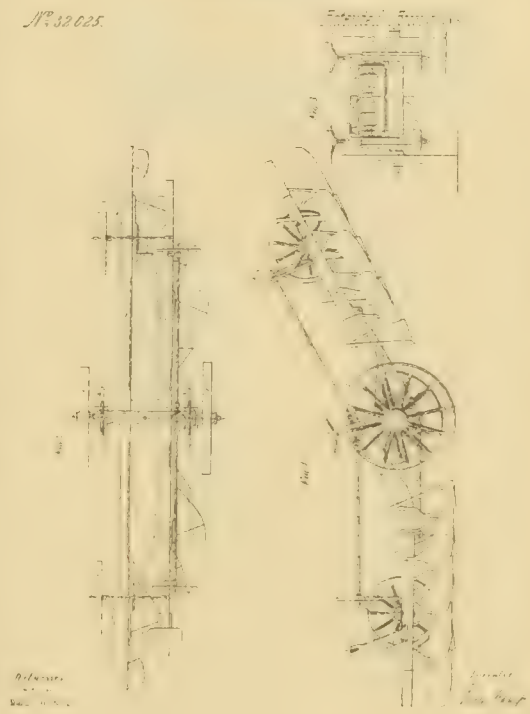
No. 30,956 Patented Dec. 18, 1860.



J. Fowler Jr.

Steam Plow.

No. 32,025.



J. Fowler. Jr.

Steam Plow.

No. 1,022. 32,026 Patented Jan. 4, 1861

Fig. 1.

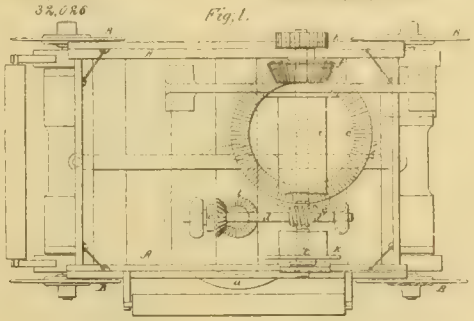
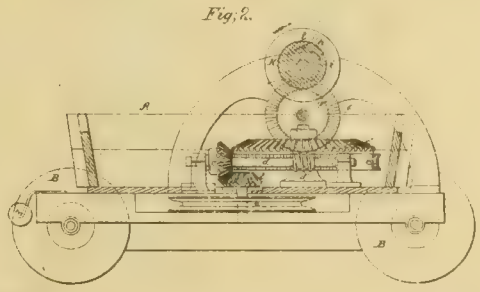


Fig. 2.



Witnesses

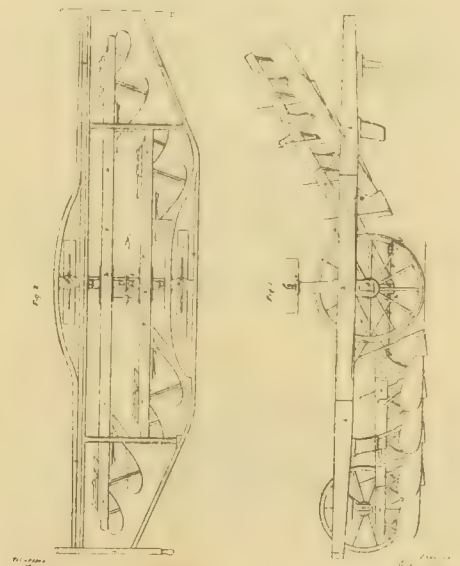
Inventor.

Sheet 1. 2 Sheets

Fowler Jr. & Greig

Steam Plow

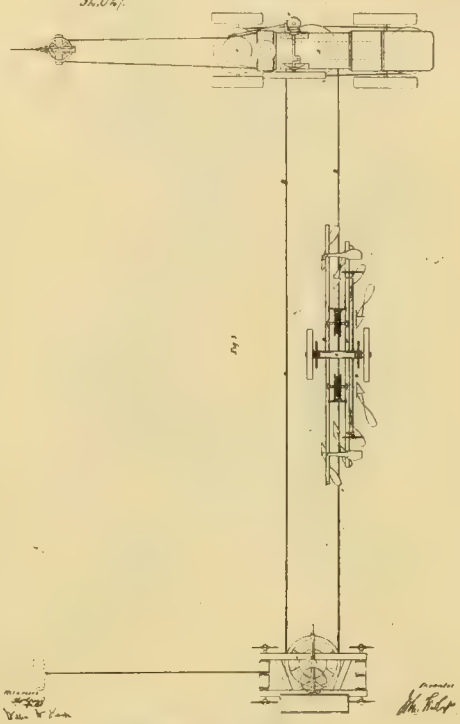
No. 1,083. Patented Jan. 4, 1861



Fowler, Jr. & Greig. Sheet 2. 2 Sheets

Steam Plow.

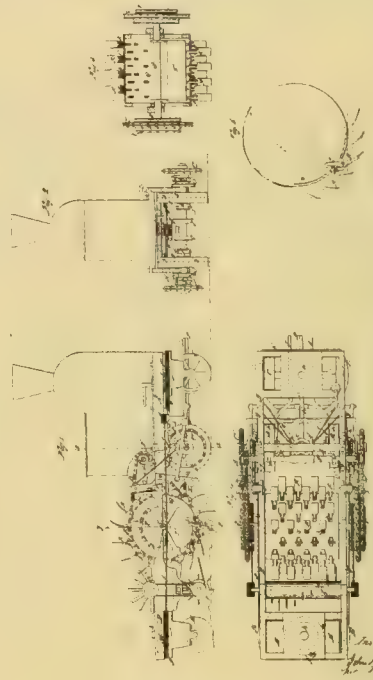
No. 1,023. 32,027. Patented Apr. 9, 1861.



J. N. Smith.

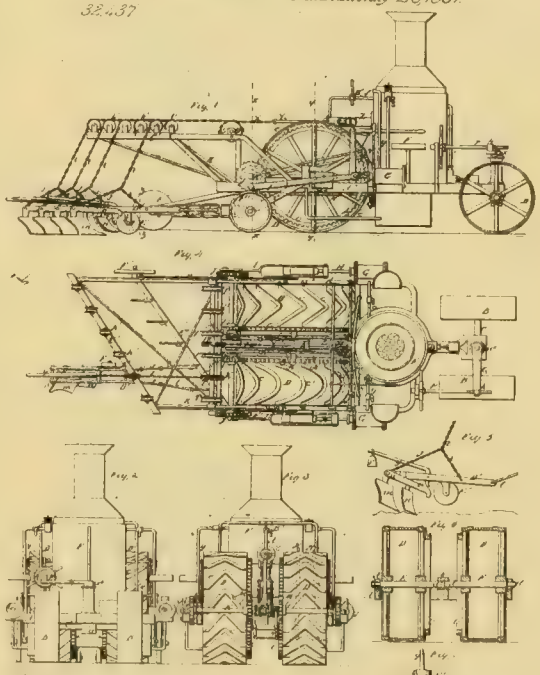
Steam Plow.

No. 1,149. 32,153. Patented Apr. 23, 1861.



Shotwell & Hicks.

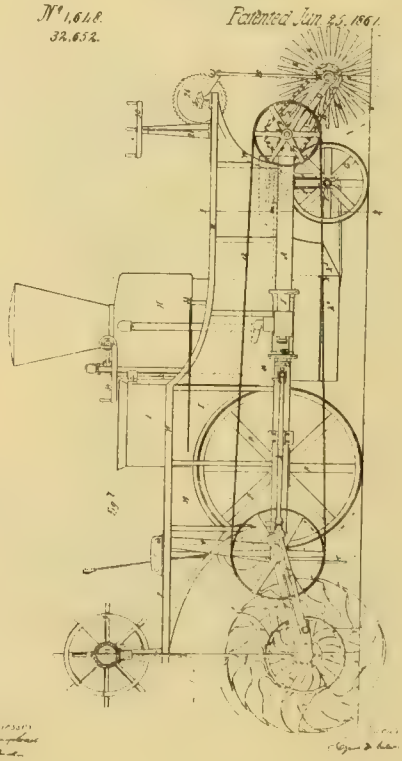
No. 1,133. 32,437. Steam Plow. Patented May 28, 1861.

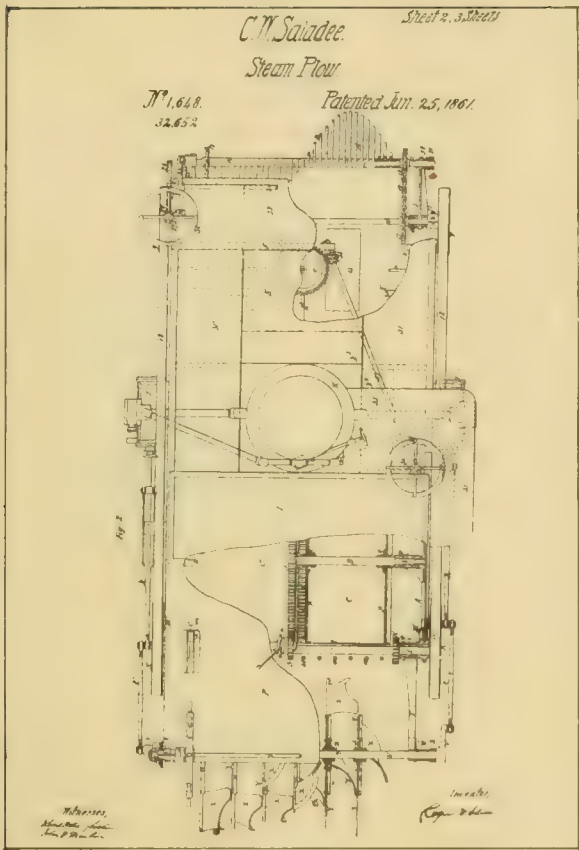


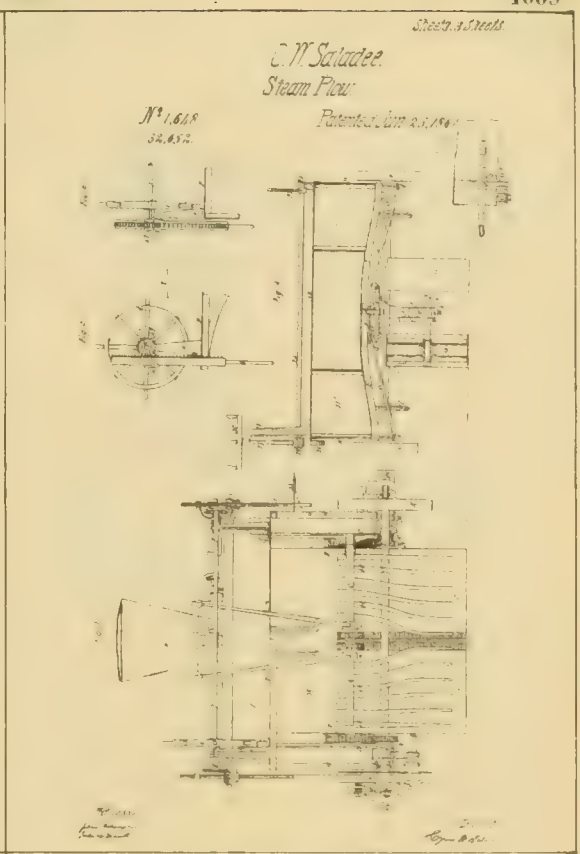
C. W. Saladee. Sheet 1, 3 Sheets

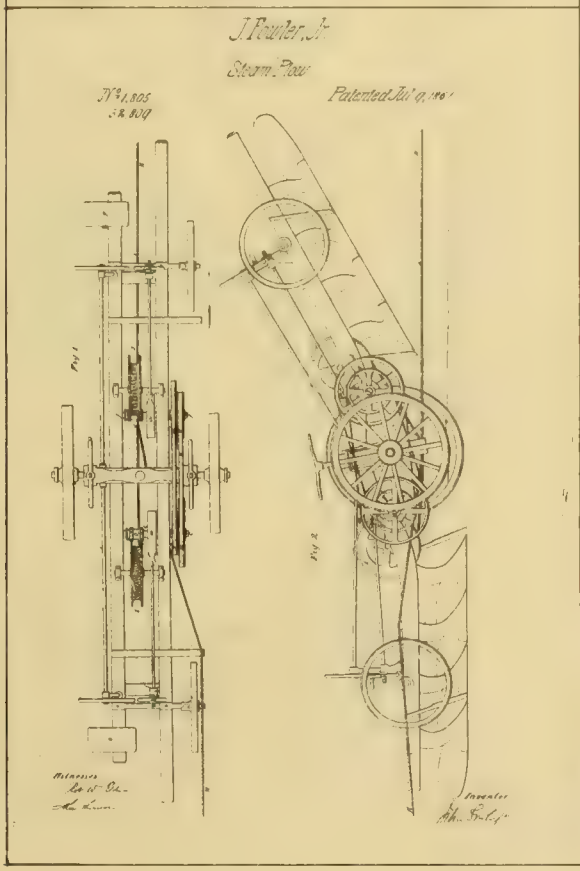
Steam Plow.

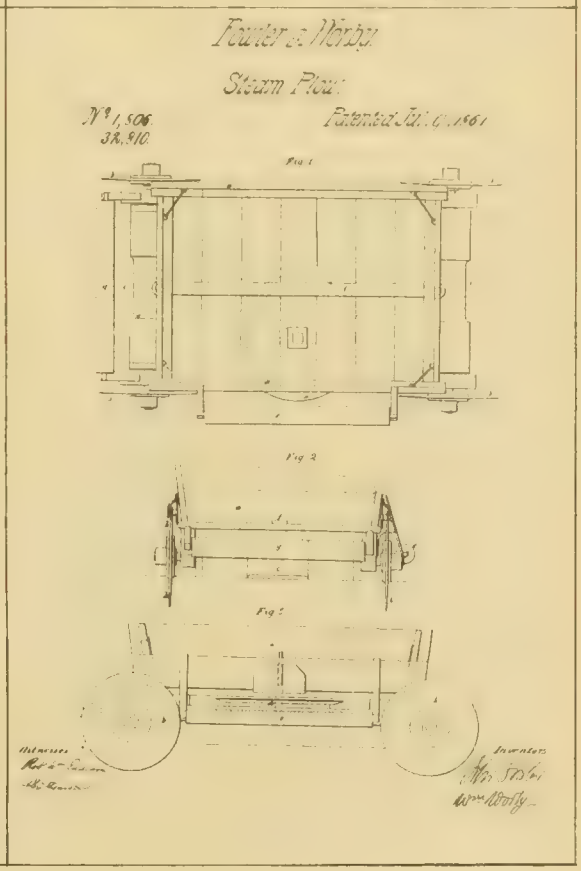
No. 1,618. 32,652. Patented Jun. 25, 1861.



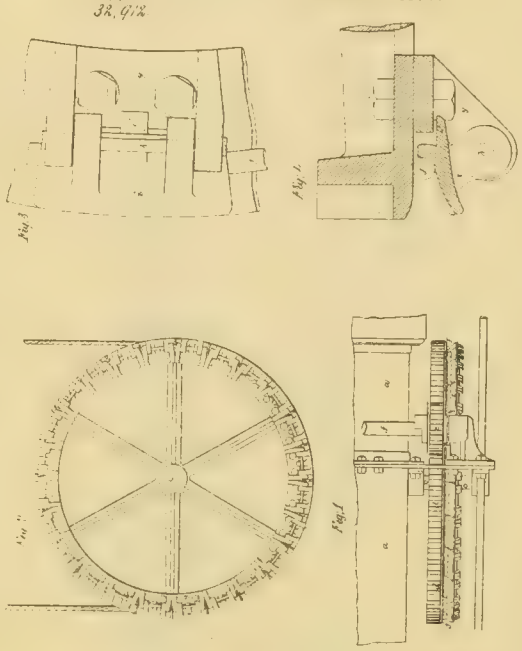

C. W. Saladee.
Steam Plow.
No 1,648.
32,652
Patented Jun. 25, 1861.


C. W. Saladee.
Steam Plow.
No 1,648
32,652

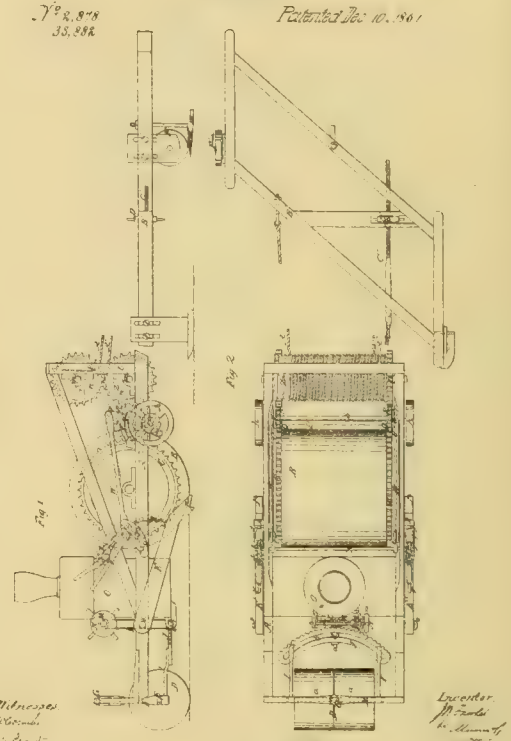

J. Fowler, Jr.
Steam Plow.
No 1,805
32,809
Patented Jul 9, 1861


Fowler & Worby.
Steam Plow.
No 1,806
32,910.
Patented Jul. 9, 1861
Fig 1
Fig 2
Fig 3

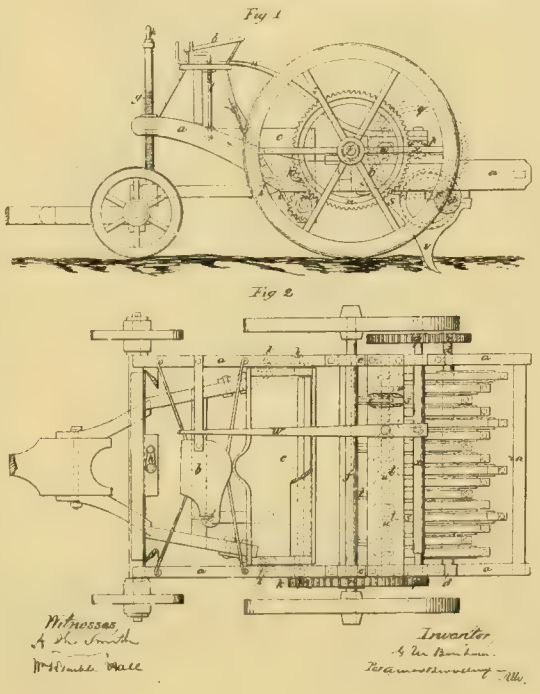
Fowler Jr, Burton, Cole & Heard.
Steam Plow.
No. 1,908. 32,912.
Patented Feb. 23, 1861.



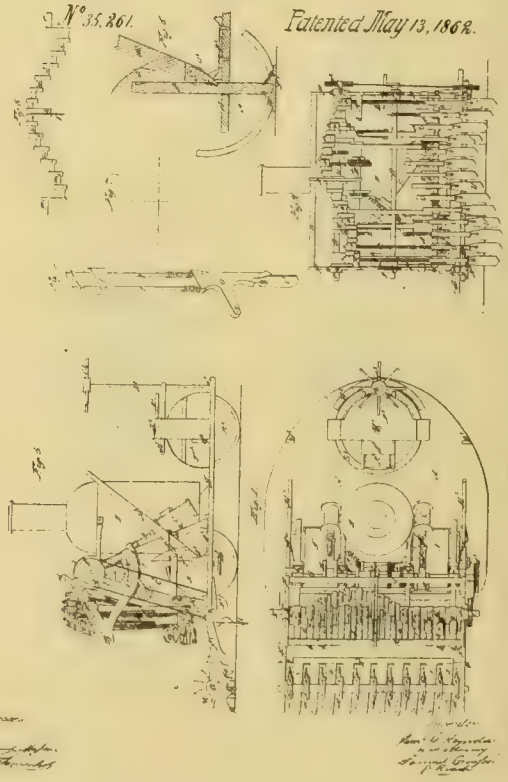
J. W. Fawkes.
Steam Plow.
No. 2,878. 35,982.
Patented Dec. 10, 1861.



G. W. Burnham.
Steam Plow.
No. 34,049.
Patented Jan. 7, 1862.



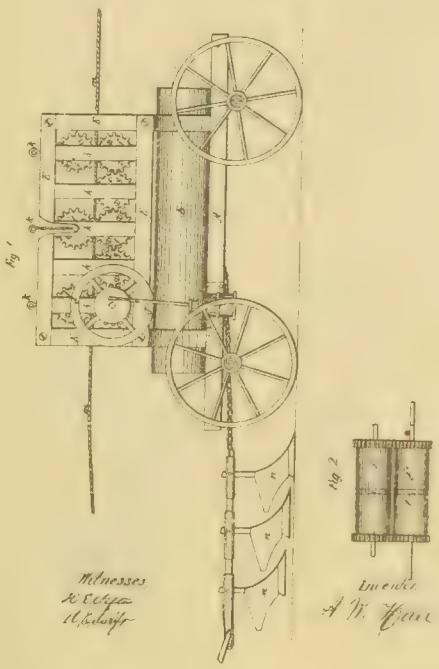
S. G. Reynolds.
Steam Plow.
No. 35,261.
Patented May 13, 1862.



A. W. Hall.

Steam Plow.

No. 38,860 Patented Apr. 21, 1863

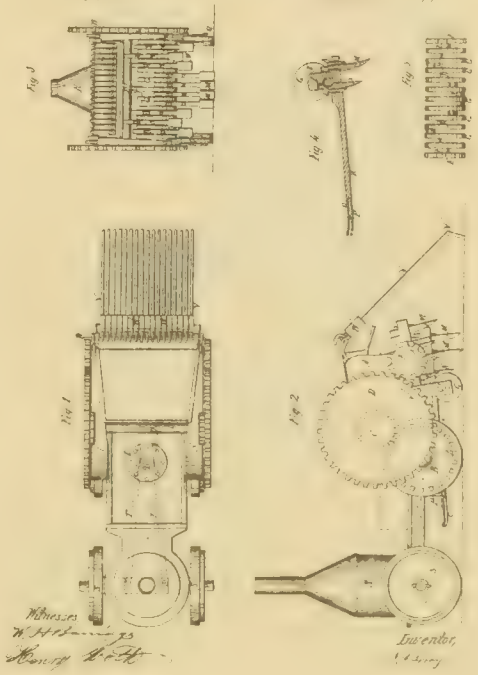


Sheet 1, 2 Sheets

N. A. Gray.

Steam Plow.

No. 40,403 Patented Oct. 27, 1863

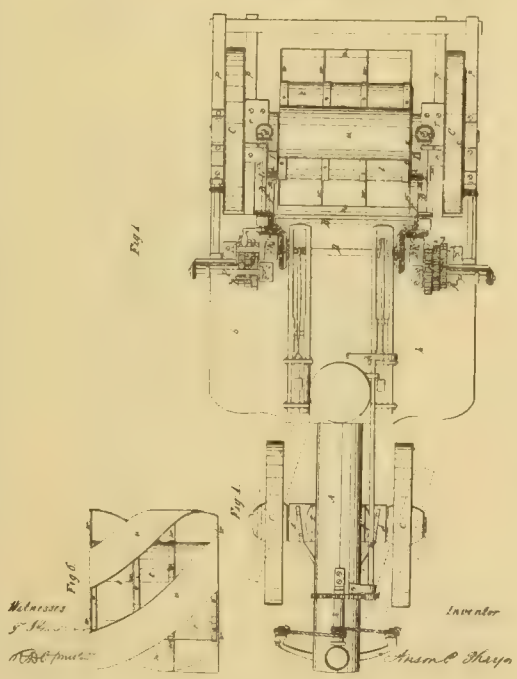


Sheet 2, 2 Sheets

A. P. Thayer.

Steam Plow.

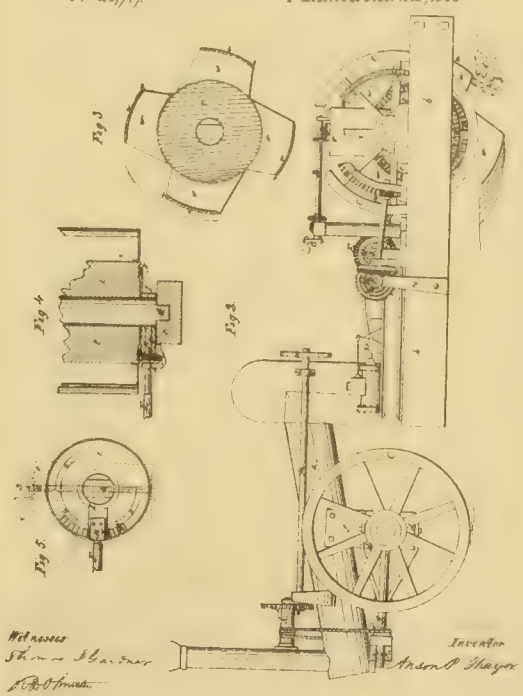
No. 40,717 Patented Nov. 24, 1863



A. P. Thayer.

Steam Plow.

No. 40,717 Patented Nov. 24, 1863

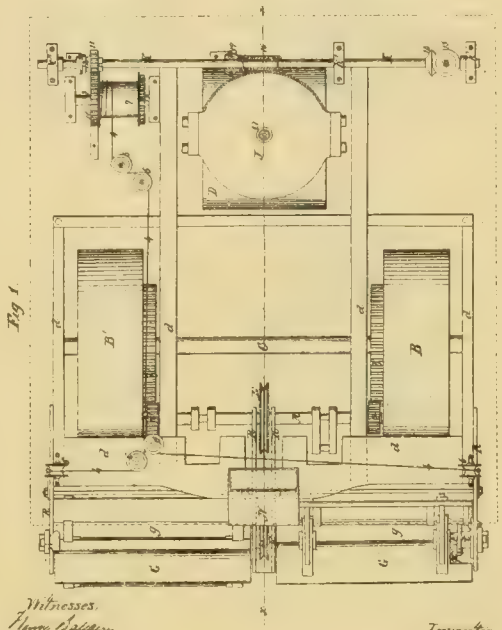


Sheet 1. 2 Sheets.

S. Curtis.

Steam Plow

No. 44,077. Patented Sept. 6, 1864.



Witnesses.
Henry Balcom
J. Sanders Bull

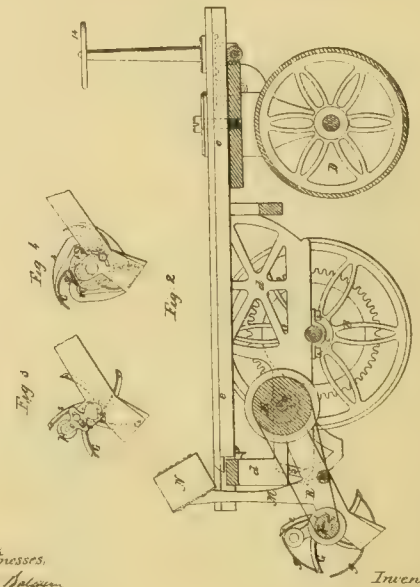
Inventor,
S. Curtis

Sheet 2. 2 Sheets

S. Curtis.

Steam Plow

No. 44,077. Patented Sept. 6, 1864.



Witnesses.
Henry Balcom
J. Sanders Bull

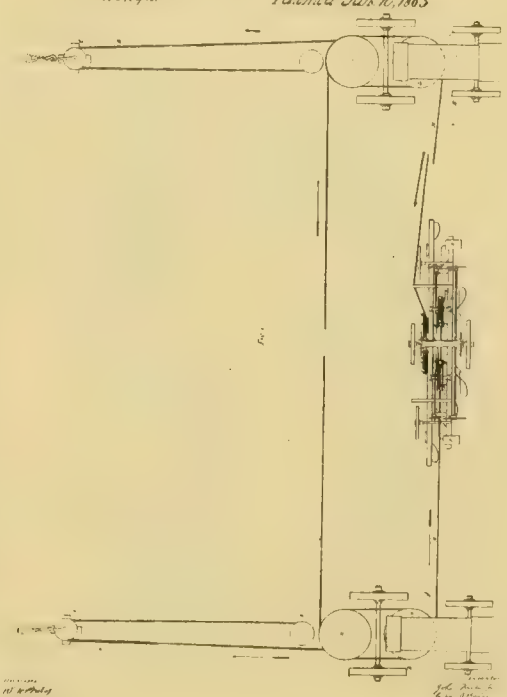
Inventor,
S. Curtis

Sheet 1. 2 Sheets

J. Fowler, Jr.

Steam Plow

No. 45,892. Patented Jan. 10, 1865.

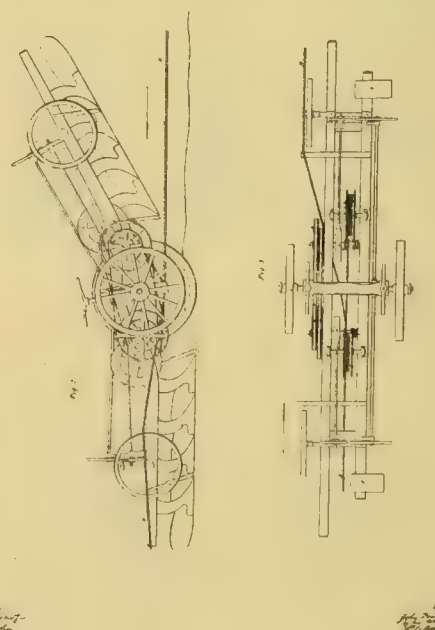


Sheet 2. 2 Sheets

J. Fowler, Jr.

Steam Plow

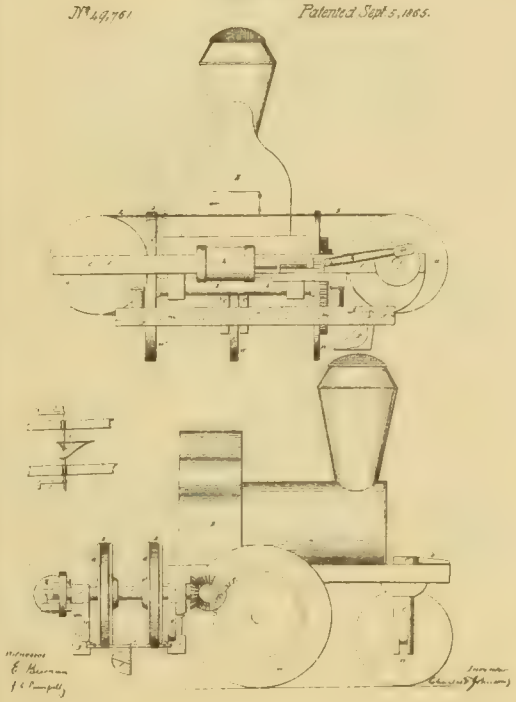
No. 45,892. Patented Jan. 10, 1865.



C. F. Johnson, Jr.

Steam Plow.

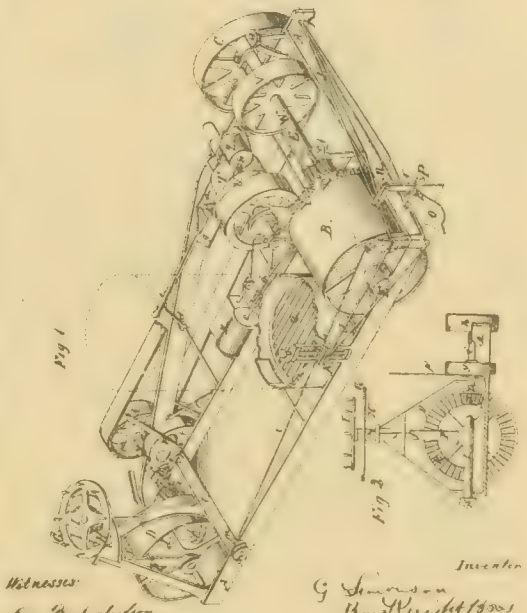
No. 49,761 Patented Sept. 5, 1865.



C. Simonson.

Steam Plow.

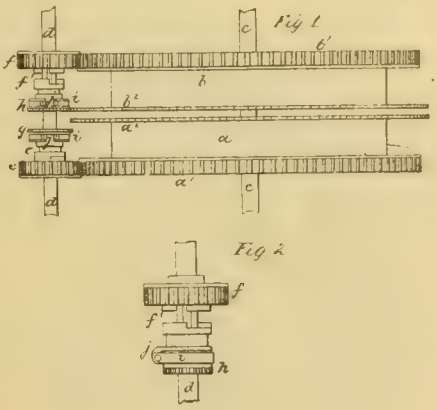
No. 54,224 Patented April 24, 1866



J. Fowler, Jr., W. Worby & D. Greig

Steam Plow.

No. 57,652. Patented Aug. 28, 1866



Witnesses
Edwin Edson

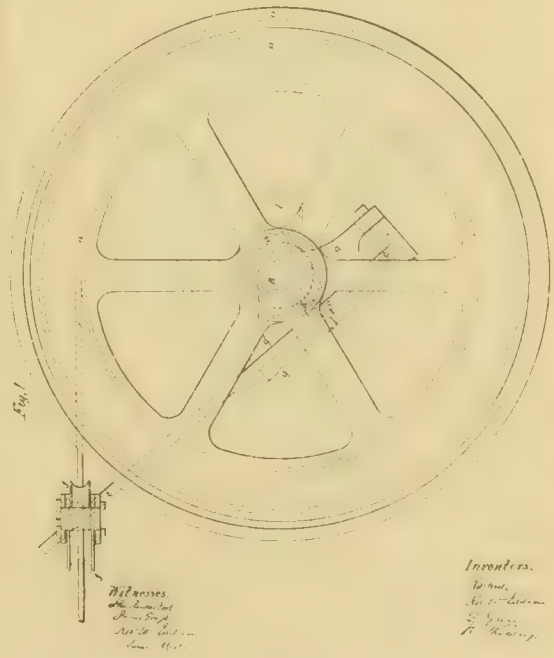
Inventor
J. Fowler Jr.
Wm. Worby
D. Greig

Sept. 1866

J. Fowler & L. Boyle & J. Hastings

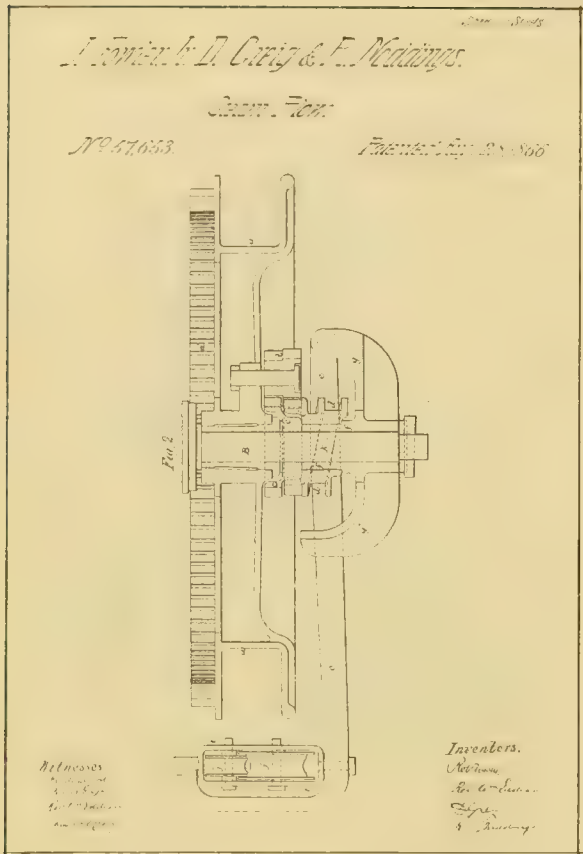
Steam Plow.

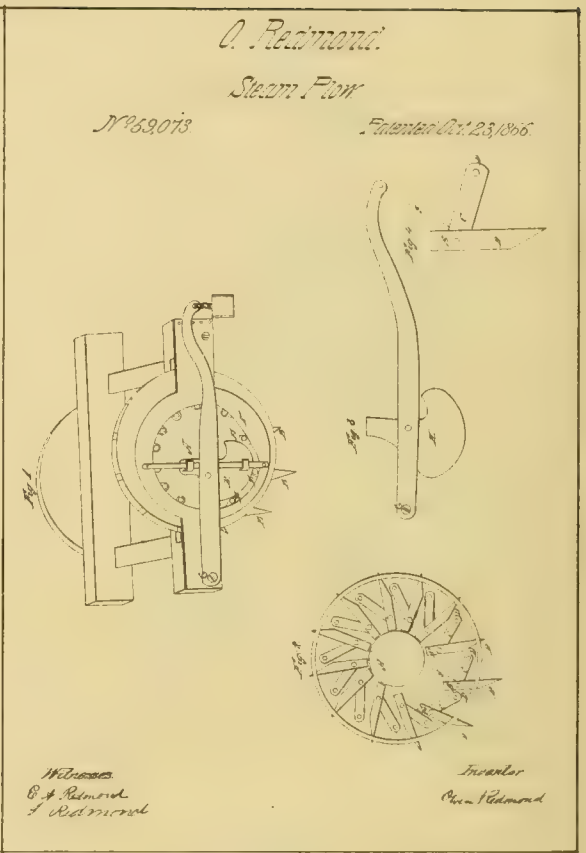
No. 57,665. Patented Sept. 4, 1866

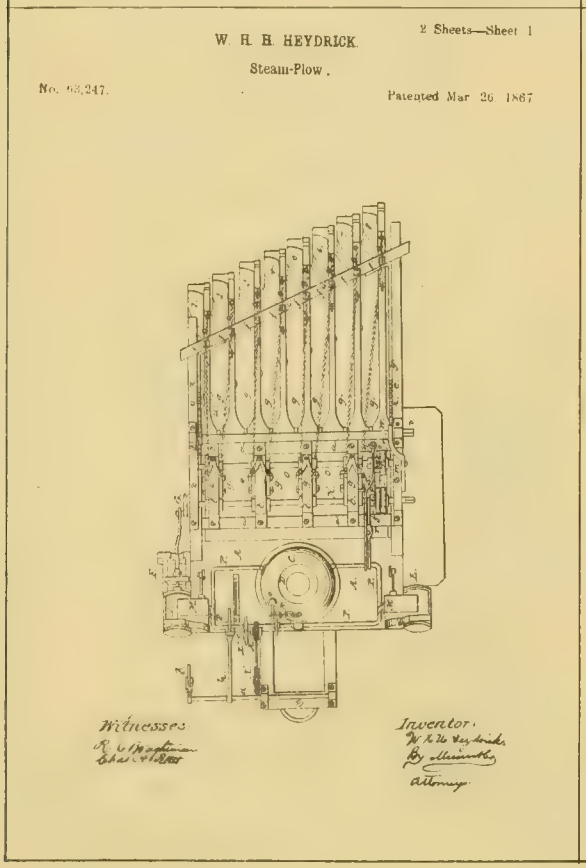


Witnesses.

Inventors.


Steam Plow.
Fig. 2
Witnesses
Inventors.


O. Redmond.
Steam Plow
Patented Oct. 23, 1866.
Fig. 1
Fig. 3
Witnesses.
Inventor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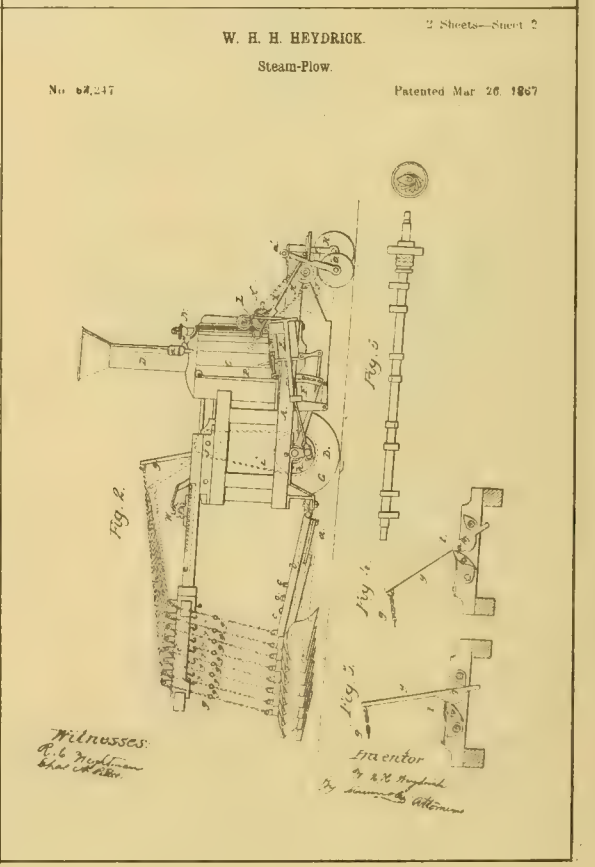
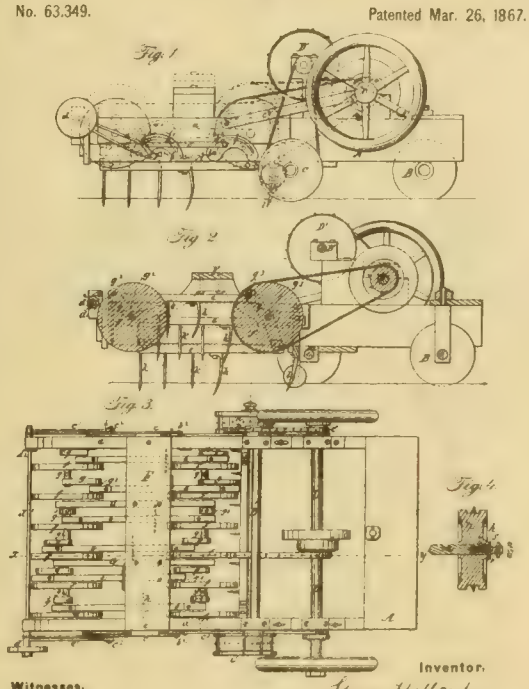
W. H. H. HEYDRICK.
Steam-Plow.
No. 63,247.
Patented Mar 26. 1867
Witnesses
Inventor.
Attorney


2 Sheets—Sheet 2
W. H. H. HEYDRICK.
Steam-Plow.
No. 63,247
Patented Mar 26. 1867
Fig. 2.
Fig. 3
Fig. 4
Fig. 5
Witnesses.
Inventor

G. WILLARD.

Steam Plow.

No. 63,349. Patented Mar. 26, 1867.



Witnesses.

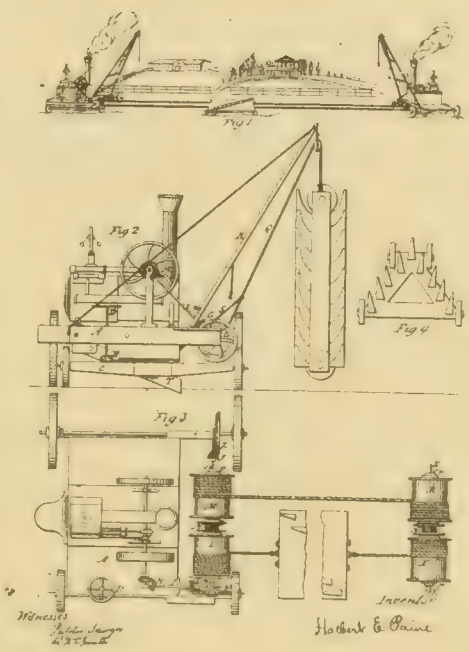
Inventor.

George Willard

H. E. PAINE.

Steam-Plow.

68,310. Patented Aug. 27 1867.



Witnesses

Inventor

Herbert E. Paine

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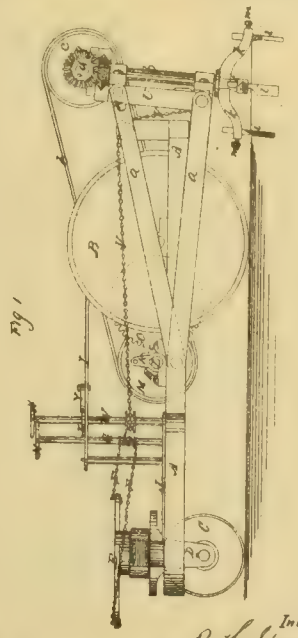
P. H. Standish

Steam-Plow & Cultivator

No 75310 Patented Mar. 10, 1868



Witnesses

Geo. H. Strong

J. S. Booke

Inventor

P. H. Standish

Assignee to himself and

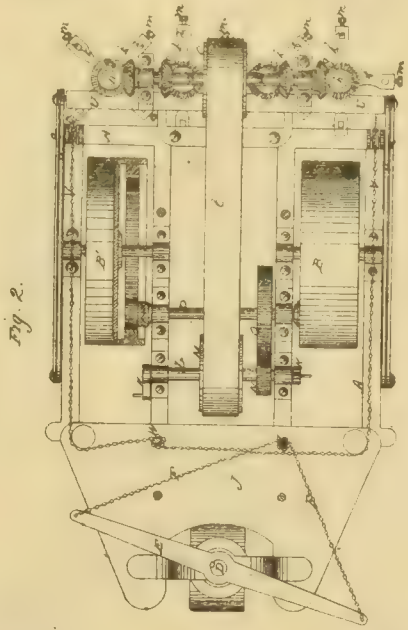
O. C. Coffin

2 Sheets Sheet 2

P. H. Standish

Steam-Plow & Cultivator

No 75310 Patented Mar 10, 1868



Witnesses

Geo. H. Strong

J. S. Booke

Inventor

P. H. Standish

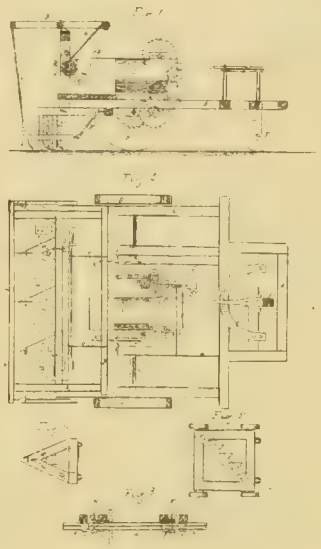
Assignee to himself and

O. C. Coffin

J. C. Delavigne.

Steam-Plow.

No. 76060 Patented Mar. 31 1868



Witnesses

Inventor

Attorneys

H. F. Gray

Steam Plows

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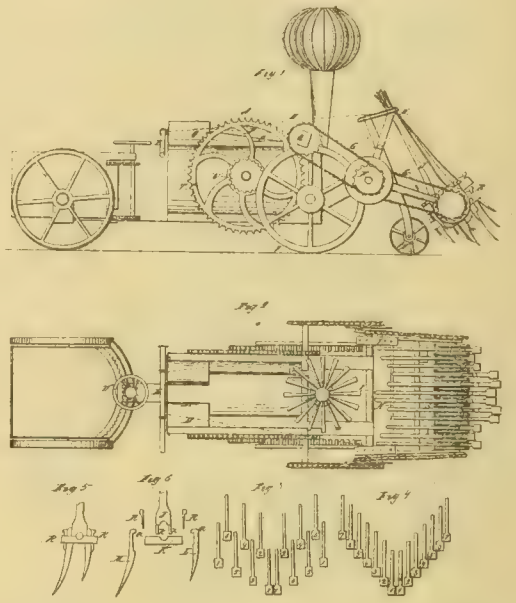


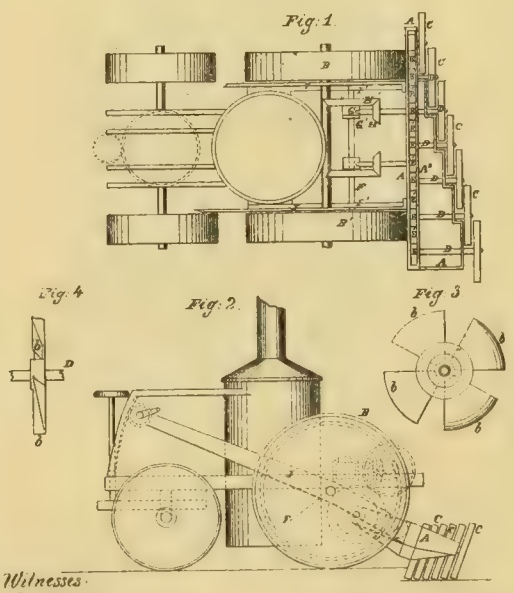
Witnesses

Inventor

J. MARQUIS.

Steam Plow and Cultivator.

No. 82,538. Patented Sept. 29, 1868.



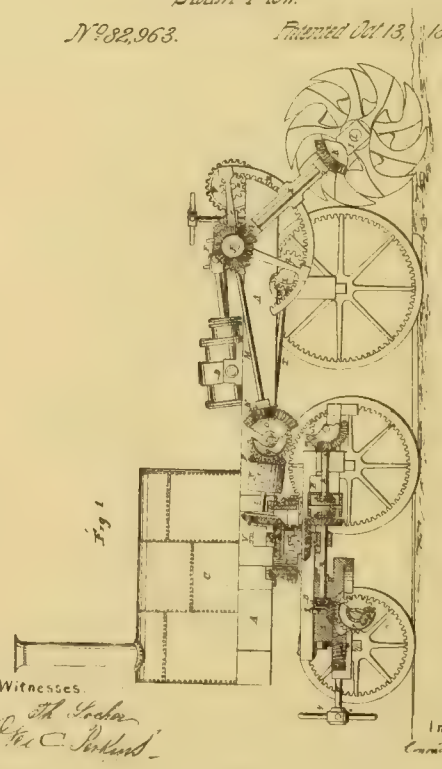
Witnesses

Inventor

C. Locher

Steam Plow

No. 82,963. Patented Oct 13, 1868.



Witnesses

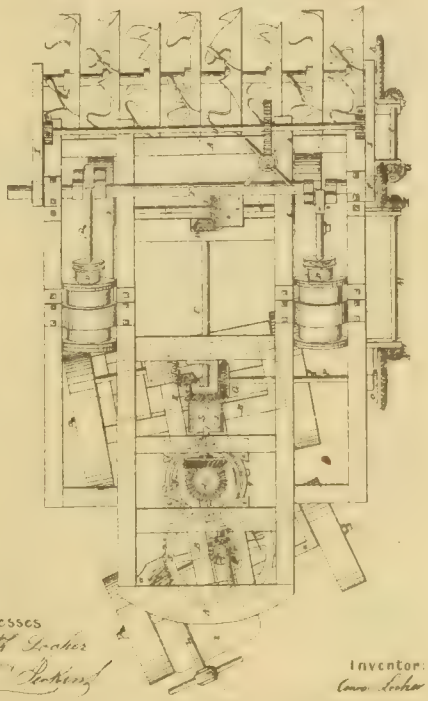
Inventor

Sheet 2. 2 Sheets

C. Locher.

Steam Plow

No. 82,963. Patented Oct. 13, 1868.



Witnesses
H. Locher
Geo. C. Stocking

Inventor:
Conr. Locher

M. Eyth.

Rope-Bearing Attachment for Steam Plow

No. 84,621. Patented Dec. 1, 1868.

Fig. 1

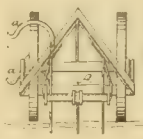
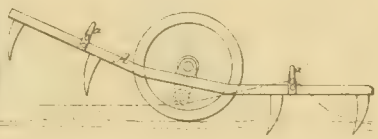


Fig. 2



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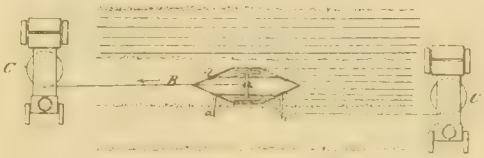


Witnesses
E. F. Kistler Lutz
Chas. Wahler

Inventor.
M. Eyth
by
Van Santvoord & Hoff

Sheet 1. 2 Sheets

Tourney & Friedrich.

Steam Plow

No. 84,361. Patented Nov. 27, 1868.

Fig. 1

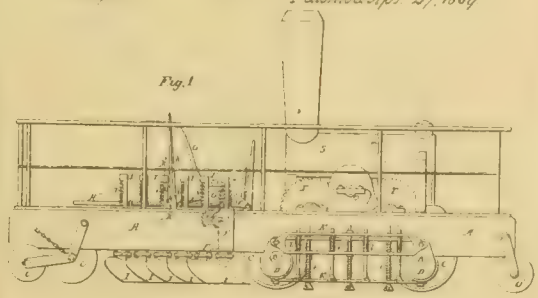
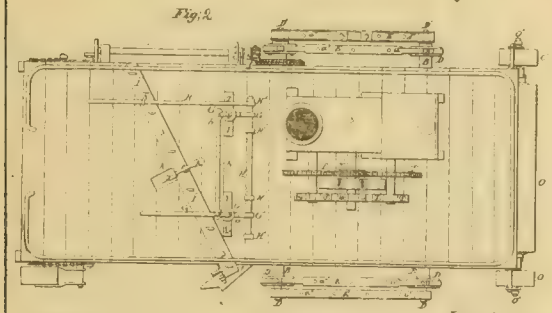


Fig. 2



Witnesses;
Geo. Kirn
Henry A. Lippert

Inventors
Eugene A. Tourney
Ernst J. Friedrich
L. H. Crawford

Sheet 2. 2 Sheets

Tourney & Friedrich

Steam Plow

No. 84,361. Patented Nov. 27, 1868.

Fig. 3

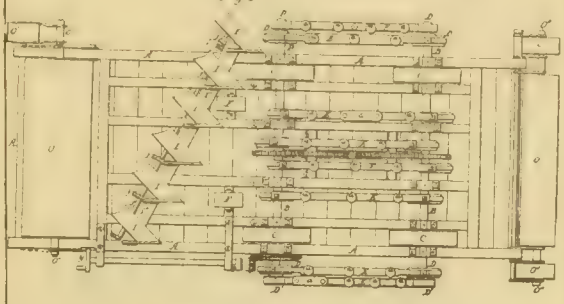
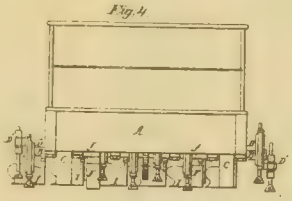


Fig. 4



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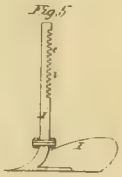


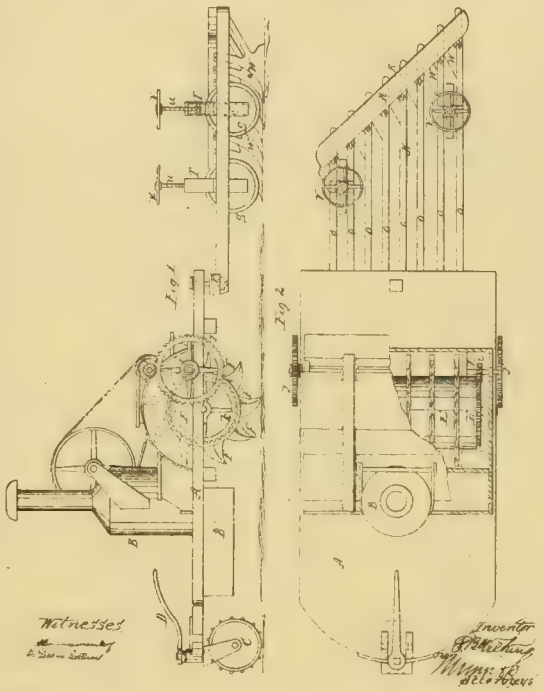
Witnesses;
Geo. Kirn
Henry A. Lippert

Inventors.
Eugene A. Tourney
Ernst J. Friedrich
by L. H. Crawford atty

S. B. Wilkins.

Steam Plow.

No. 90,799. Patented Jan. 1, 1869.

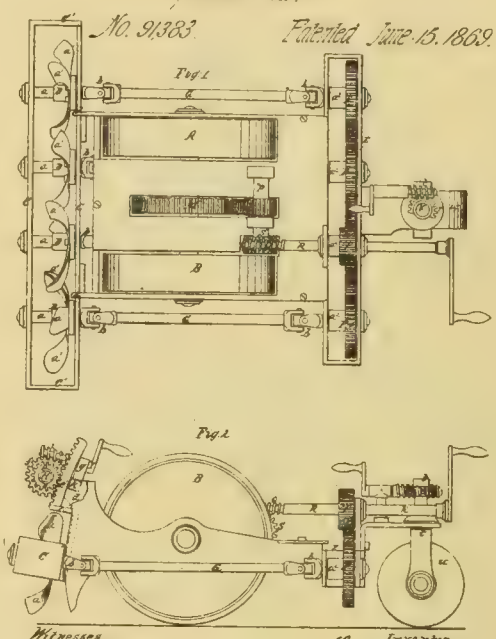


Sheet 1, 5 Sheets.

L. Stewart,

Steam Plow.

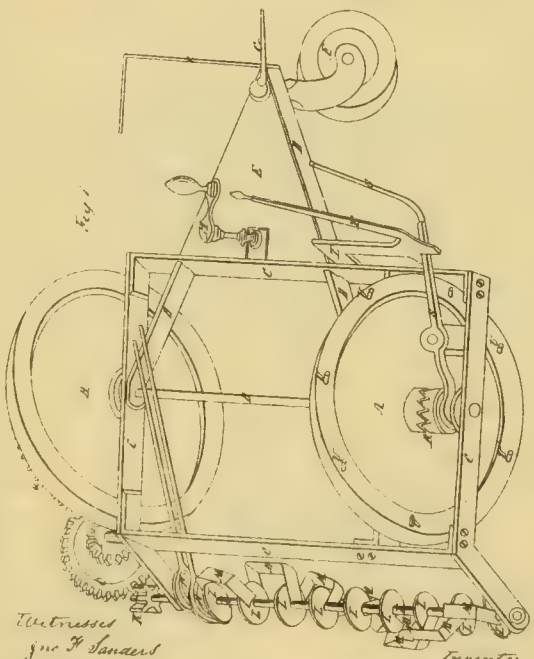
No. 91383. Patented June 15, 1869.



J. H. Northcott.

Steam Plow.

No. 91,558. Patented Jun. 22, 1869.

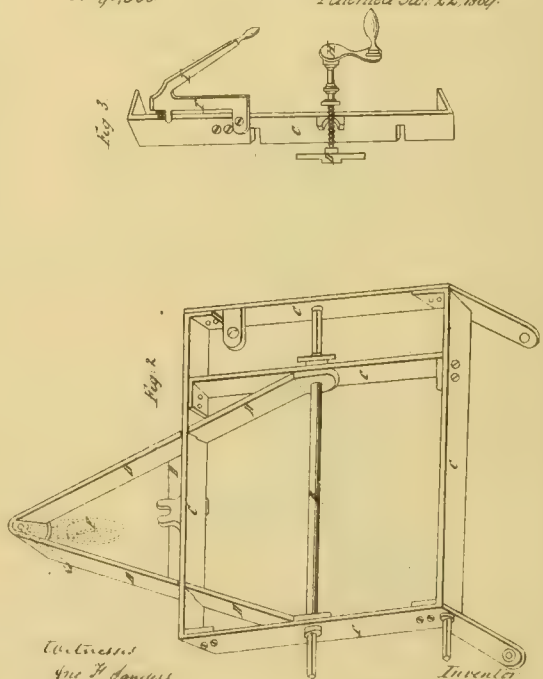


Sheet 2, 5 Sheets.

J. H. Northcott.

Steam Plow.

No. 91,558 Patented Jun. 22, 1869.



Sheet 3. 5 Sheets

J. H. Northcott.

Steam Plow.

No. 91,558 Patented Jun. 22, 1869.

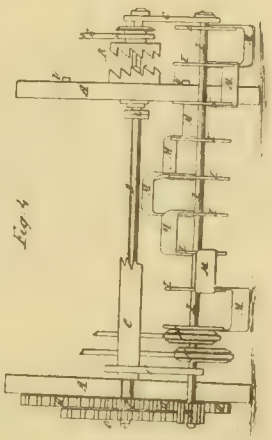


Fig. 4

Witnesses
Jno. H. Sanders
Ed. M. Northcott

Inventor
James H. Northcott

Sheet 4. 5 Sheets

J. H. Northcott

Steam Plow.

No. 91,558 Patented Jun. 22, 1869.

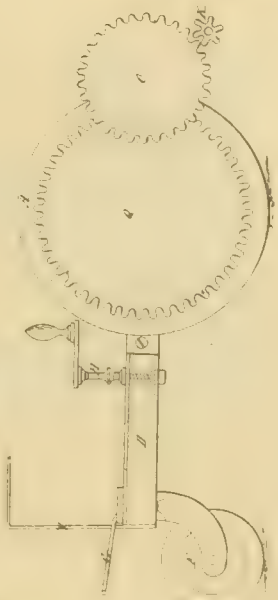


Fig. 5

Witnesses
Jno. H. Sanders
Ed. M. Northcott

Inventor
James H. Northcott

Sheet 5. 5 Sheets

J. H. Northcott.

Steam Plow

No. 91,558 Patented Jun. 22, 1869.

Fig. 6

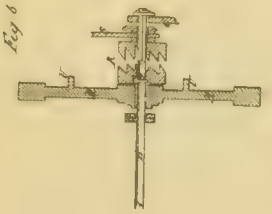


Fig. 7

Witnesses
Jno. H. Sanders
Ed. M. Northcott

Inventor
James H. Northcott

A. J. Stevens.

Steam Plow.

No. 91,401 Patented Jun. 1869

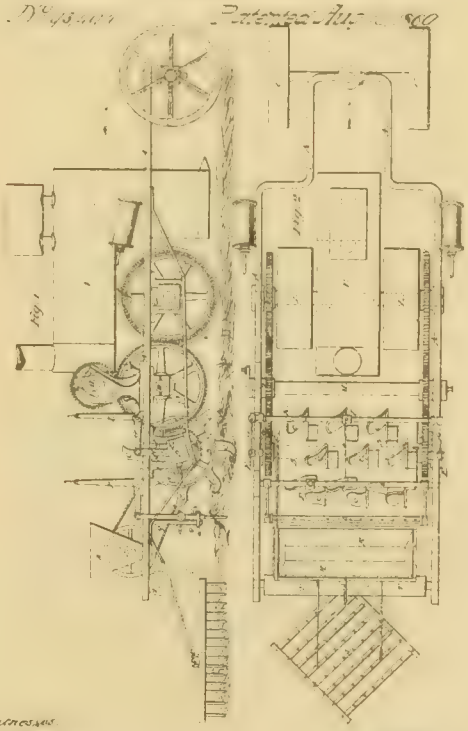


Fig. 1

Fig. 2

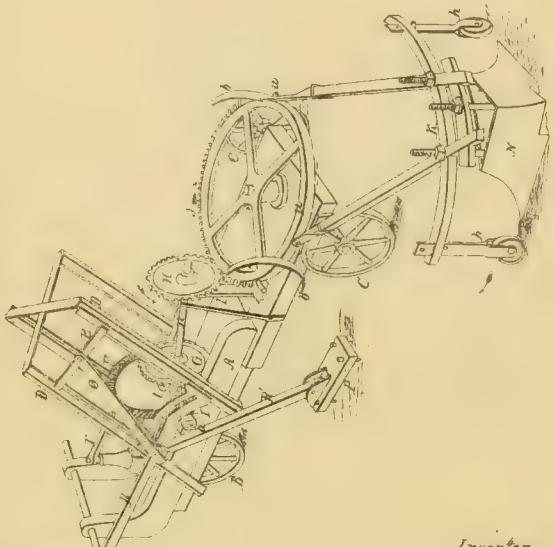
Witnesses
C. Lyon Perry
Edward S. Potter

Inventor,
Andrew Jackson Stevens

J. G. Knapp.

Steam Plow.

No 97,299. Patented Nov 30, 1869.



Witnesses:
L. Hauler
Chas. E. Dodge

Inventor
J. G. Knapp
by his attys
Dodge & Wilson

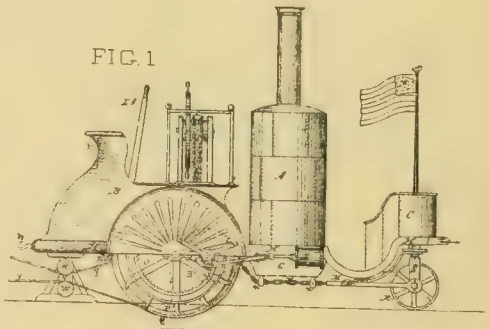
A. L. TAVEAU

Steam Plow.

4 Sheets—Sheet 1.

No. 101,396. Patented Mar. 29, 1870.

FIG. 1



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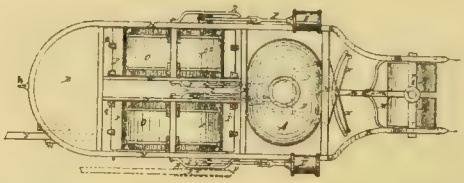


WITNESSES
Edmund Mimnell
Chas. E. Wilson

INVENTOR
Augustus L. Taveau

A. L. TAVEAU

Steam-Plow

4 Sheets—Sheet 2

No. 101,396. Patented Mar. 29, 1870.

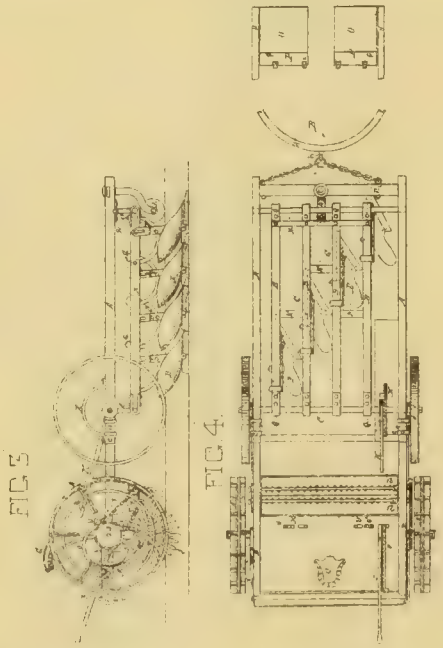


FIG 3

FIG 4.

WITNESSES
Edmund Mimnell
M. Bowen

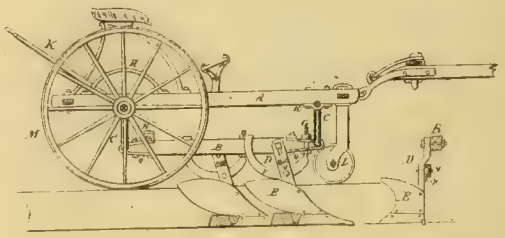
INVENTOR
Augustus L. Taveau

A. L. TAVEAU.

Steam-Plow

4 Sheets—Sheet 3

No. 101,396. Patented Mar. 29, 1870.



Witnesses:
Edmund Mimnell
Abraham Moore

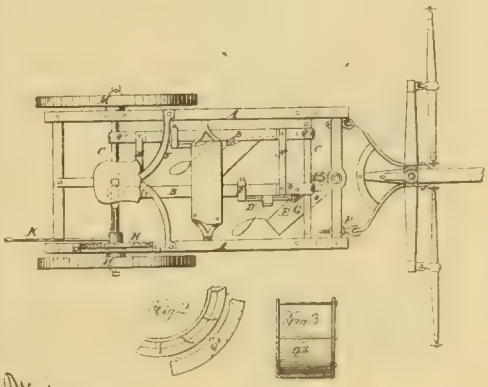
Inventor.
Augustus L. Taveau

4 Sheets—Sheet 4

A. L. TAVEAU

Steam-Plow

No. 101,395. Patented Mar. 29, 1870



Witnesses.

Inventor.

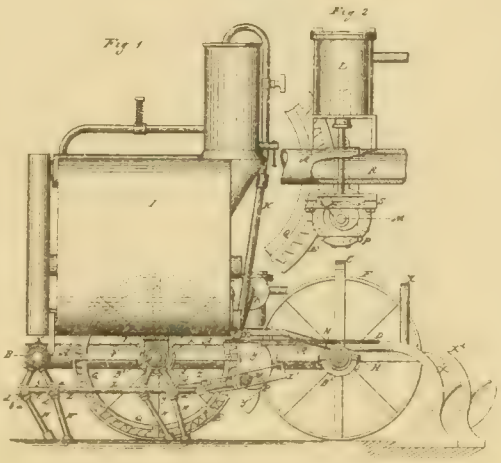
Augustus L. Taveau

2 Sheets—Sheet 1.

M. N. LYNN.

Steam Plow.

No. 103,635. Patented May 31, 1870.



Witnesses

Alex F. Roberts

Inventor

M. N. Lynn

per Munn & Co.

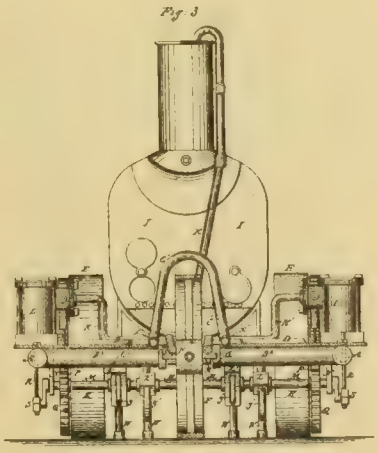
Attorneys

2 Sheets—Sheet 2.

M. N. LYNN.

Steam Plow.

No. 103,635. Patented May 31, 1870.



Witnesses

Alex F. Roberts

Inventor

M. N. Lynn

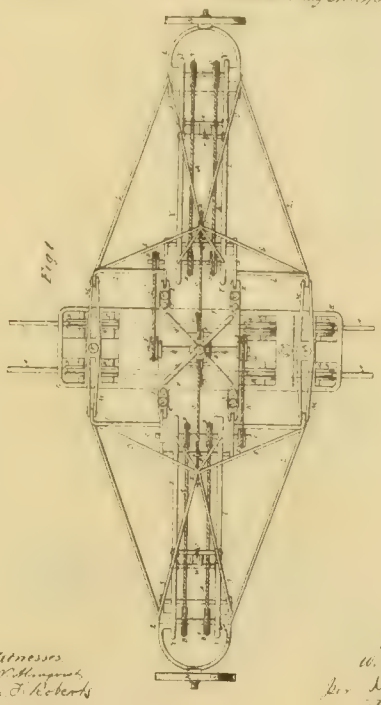
per Munn & Co.

Attorneys

W. Beckett 3 Sheets, Sheet 1.

Steam Plow.

No. 103,701. Patented May 31, 1870



Witnesses

Alex F. Roberts

Inventor

W. Beckett

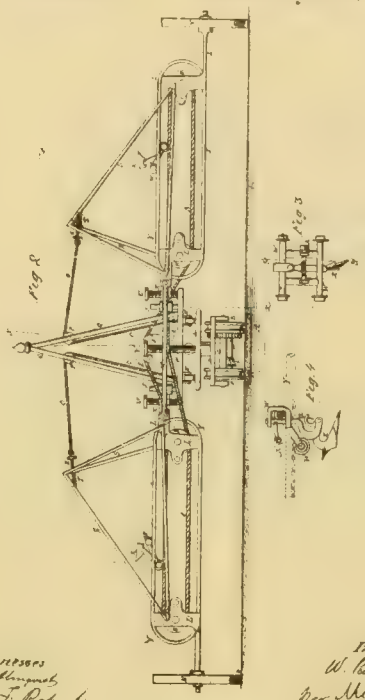
per Munn & Co.

Attorneys

W. Beckett, 3 Sheets, Sheet 2.

Steam Plow.

No. 103,704. Patented May 31, 1870.



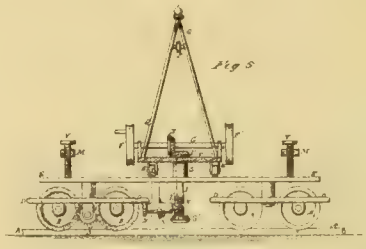
Witnesses
J. W. Hingeley
Alex. F. Roberts

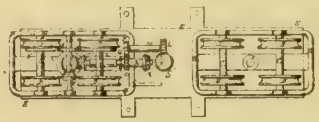
Inventor,
W. Beckett
per Munn & Co
attorneys

W. Beckett, 3 Sheets, Sheet 3

Steam Plow.

No. 103,704. Patented May 31, 1870.





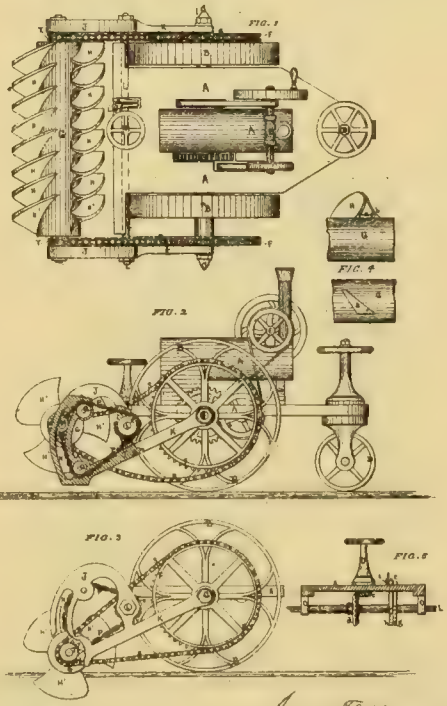
Witnesses:
J. W. Hingeley
Alex. F. Roberts

Inventor:
W. Beckett
per Munn & Co
Attorneys

J. T. WILSON.

Rotary Steam Plow.

No. 106,441. Patented Aug. 16, 1870.



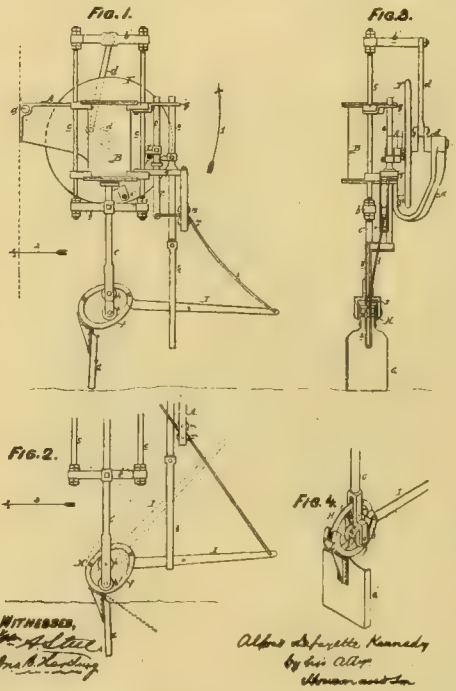
David A. Burr
A. C. Fox Wm.

James T. Wilson, Inventor

A. L. Kennedy,

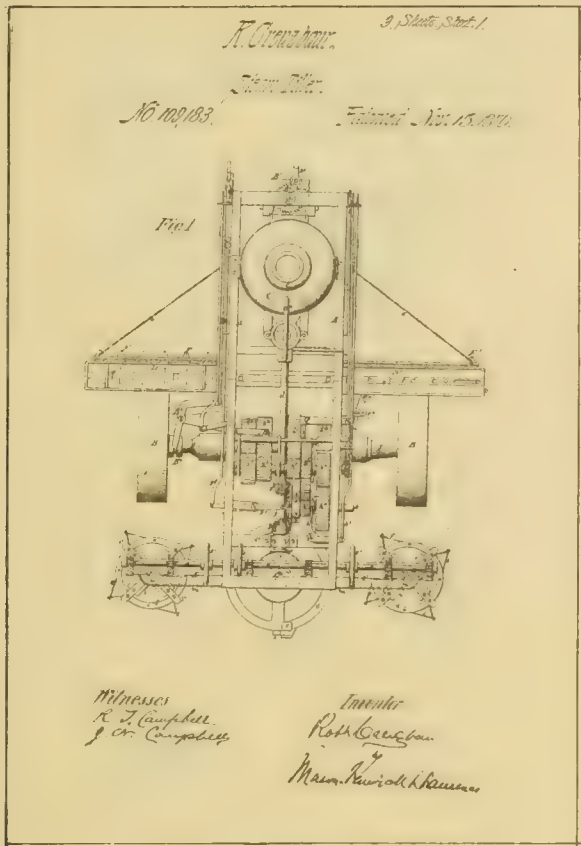
Steam Plow.

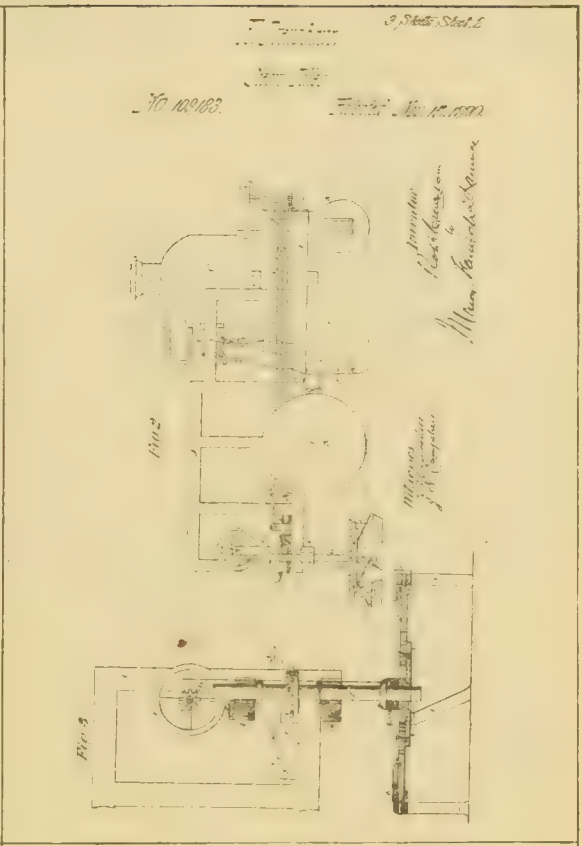
No. 109,019. Patented Nov. 8, 1870.

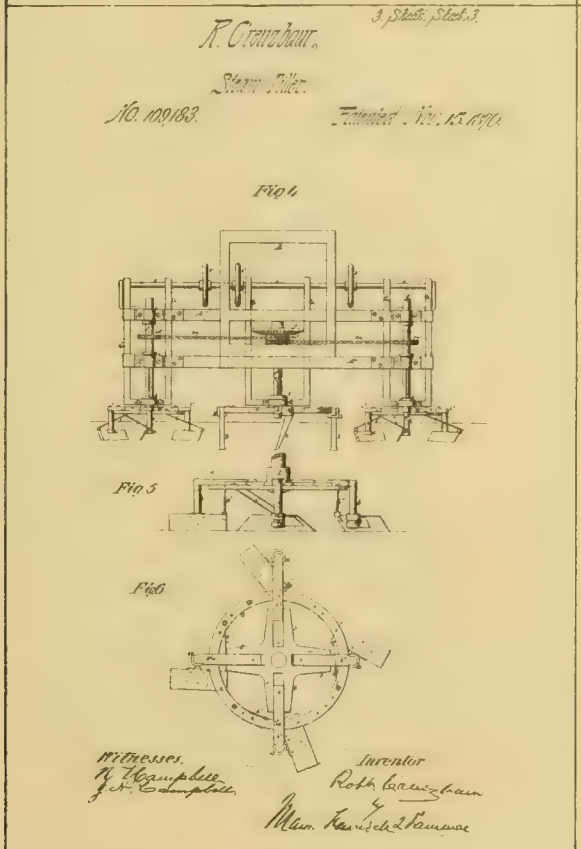


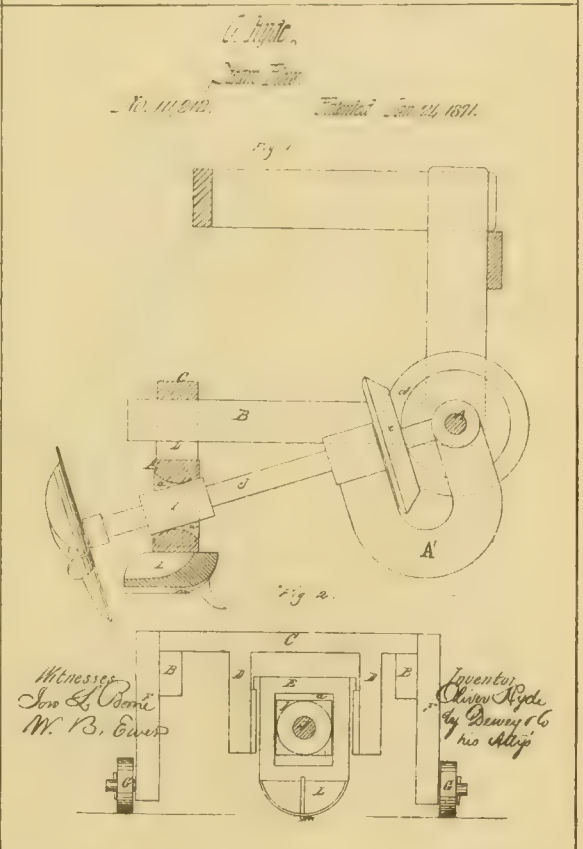
Witnesses,
Jno. A. Harding

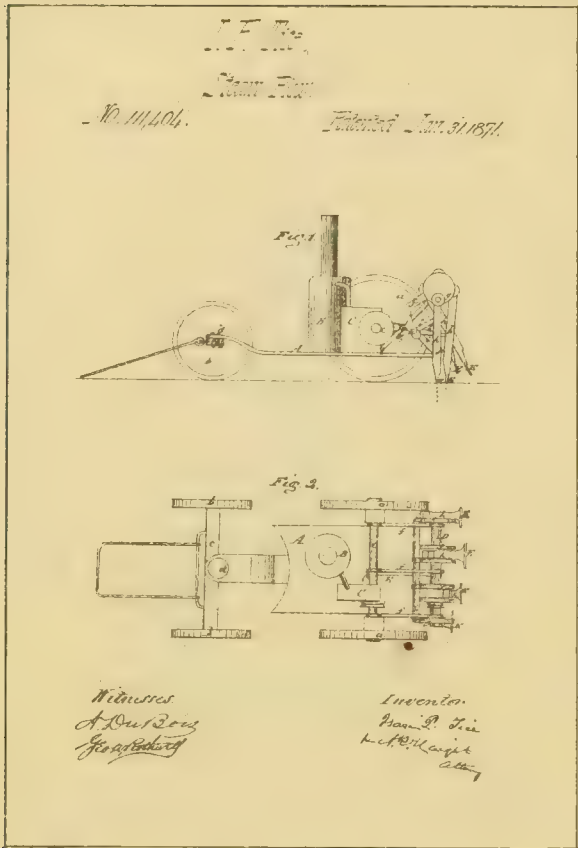
Alfred Lafayette Kennedy
by his atty
Wm. Wallace


R. Crawshaw.
3 Sheets Sheet 1.
Steam Filler.
No. 109,183.
Patented Nov. 15, 1870.
Fig. 1
Witnesses
R. J. Campbell
J. W. Campbell
Inventor
Robt. Crawshaw
by
Mann, Kerr & Lawrence


3 Sheets Sheet 2
No. 109,183.
Fig. 2
Fig. 3


R. Crawshaw.
3 Sheets Sheet 3.
Steam Filler.
No. 109,183.
Patented Nov. 15, 1870.
Fig. 4
Fig. 5
Fig. 6
Witnesses.
R. J. Campbell
J. W. Campbell
Inventor
Robt. Crawshaw
by
Mann, Kerr & Lawrence


O. Hyde.
Steam Filler.
No. 111,812.
Patented Jan. 24, 1871.
Fig. 1
Fig. 2
Witnesses
Jno. E. Bond
W. B. Ewer
Inventor
Oliver Hyde
by Dewey & Co
his Attys


No. 111,404.
Patented Jan. 31 1871.
Fig. 1
Fig. 2.
Witnesses
Inventor

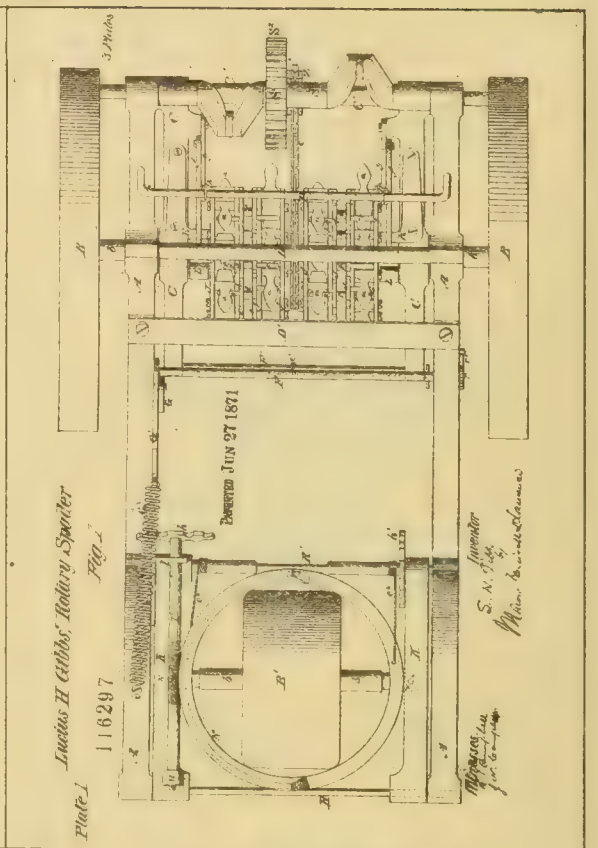


Plate 1
Lucius H Gibbs' Rotary Spreader
Fig. 1
3 Plates
Patented Jun 27 1871
116297
Inventor

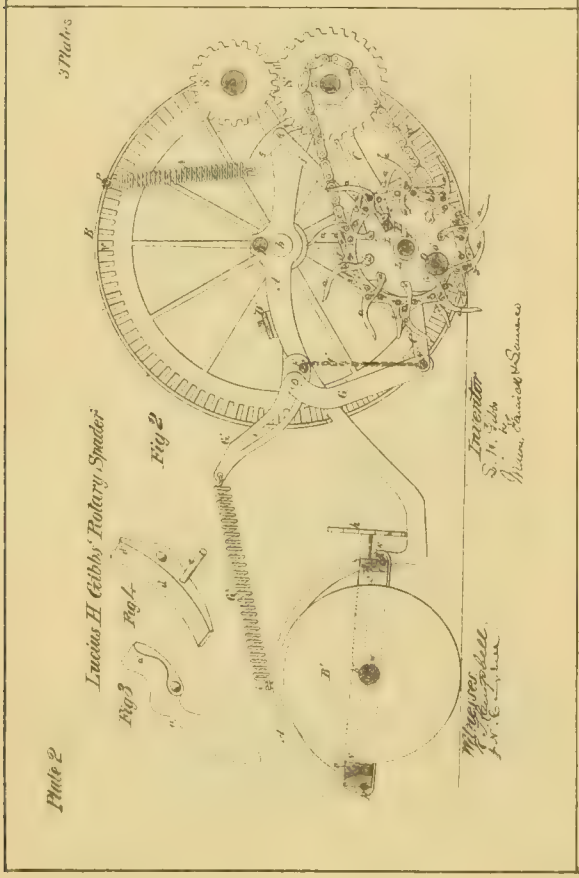


Plate 2
Lucius H Gibbs' Rotary Spreader
Fig 1
Fig 2
Fig 3
3 Plates
Inventor

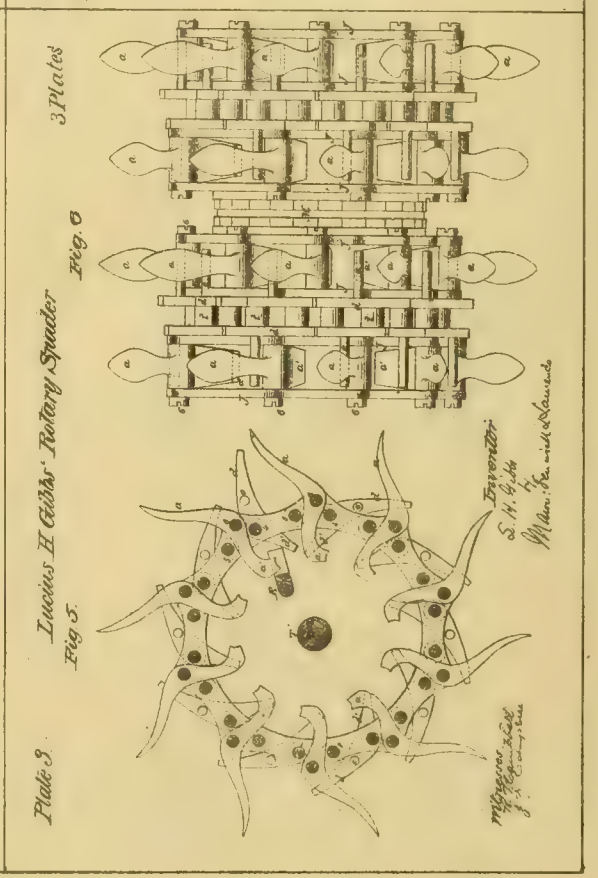


Plate 3
Lucius H Gibbs' Rotary Spreader
Fig 5
Fig. 6
3 Plates
Inventor

M. N. Lynn's Motion for the Pushing Legs of Steam Plows

116610 PATENTED JUL 4 1871

Fig. 1

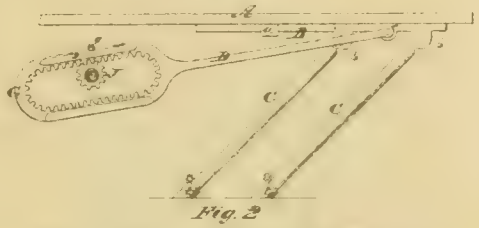


Fig. 2

Fig. 3

Witnesses

Inventor

Z. RIDER.

Steam Plowing Machine &c.

Plate 1.

PATENTED JUL. 18 1871

117113

Fig. 1.

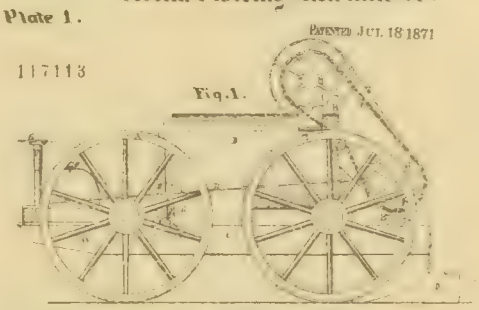
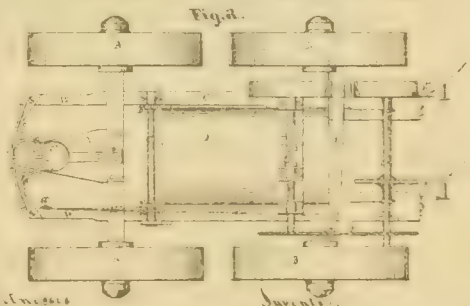


Fig. 2.



Witnesses

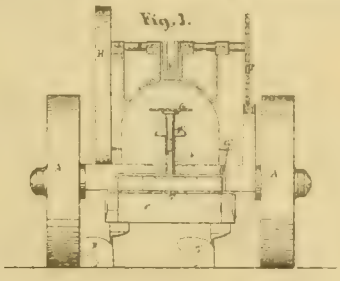
Inventor

Z. RIDER.

Steam Plowing Machine &c.

Plate 2.

Fig. 3.



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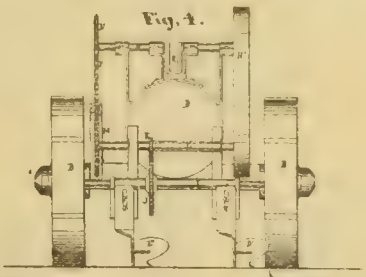
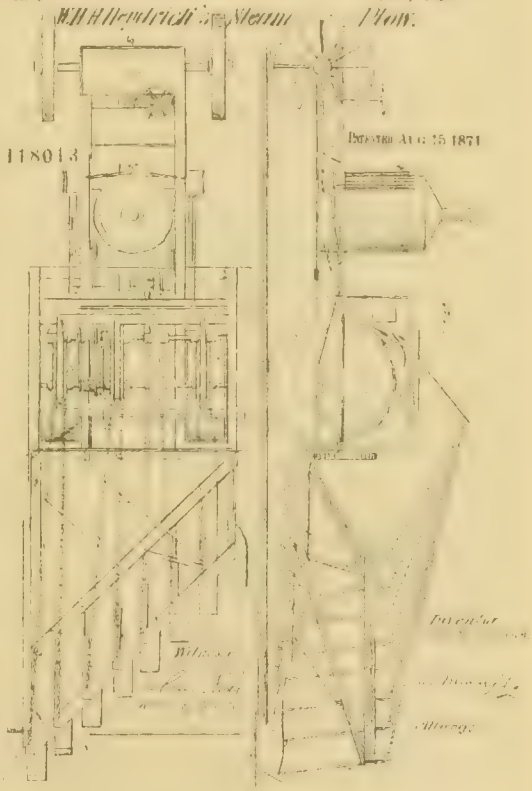


Witnesses.

Inventor.

W. H. H. Hendrich's Steam Plow.

118013 PATENTED AUG 15 1871



Inventor

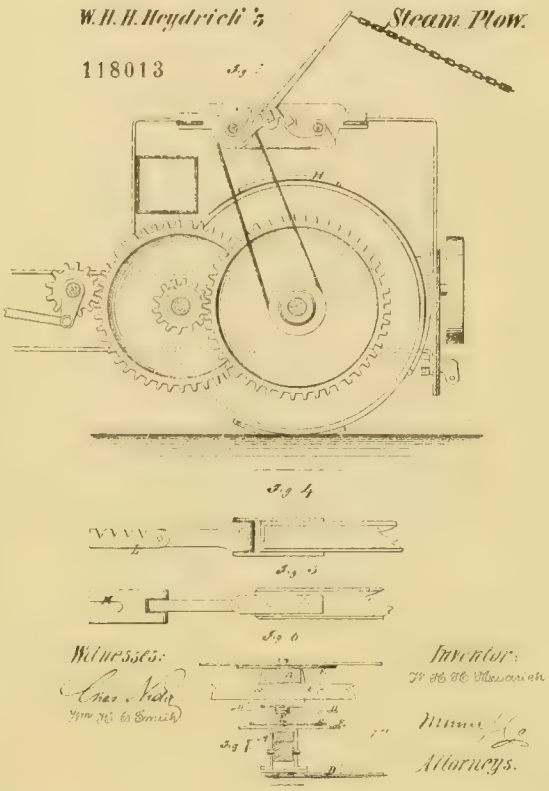
Witnesses

Attorney

Sheet 1 Sheet 2 Sheets

W. H. H. Heydrich's Steam Plow.

118013



Witnesses: Chas Nida, Wm M. G. Smith

Inventor: W. H. H. Heydrich

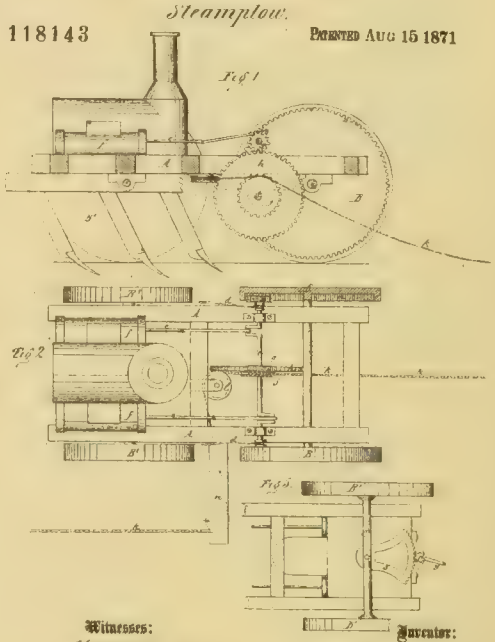
Munn & Co Attorneys.

Sheet 1. 2 Sheets.

Herman Miller.

Steamplow.

118143 Patented Aug 15 1871



Witnesses: H. C. Hart, Thos. D. Crand

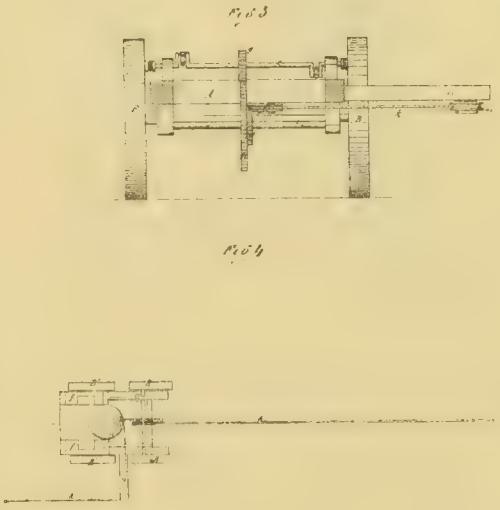
Inventor: Herman Miller

Per Munn & Co Attorneys.

Sheet 2. 2 Sheets.

Herman Miller.

118143 Steam-Plow.



Witnesses: H. C. Hart, Thos. D. Crand

Inventor: Herman Miller

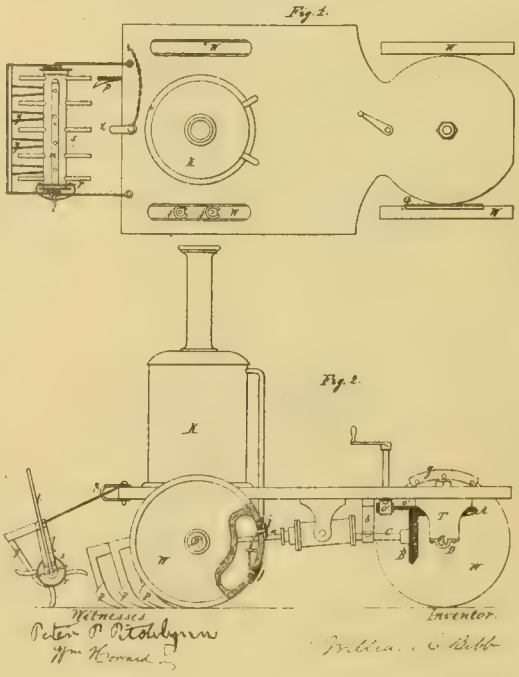
Per Munn & Co Attorneys.

Sheet 1. 2 Sheets.

WILLIAM C. BIBB.

Steam Wagon and Plows.

No. 119,216. Patented Sep. 26, 1871.



Witnesses: Peter S. Ritchlynn, Wm Howard

Inventor: William C. Bibb

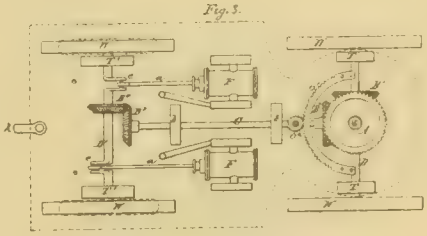
Sheet 2 Sheets

WILLIAM C. BIBB.

Steam Wagon and Plows.

No. 119,216. Patented Sep. 26, 1871.

Fig. 3.



Witnesses.
Peter P. Pitchlynn
W. Howard

Inventor.
William C. Bibb

Oliver Hyde Imp.t in Steam Plows

No. 120,071 Patented Oct. 17, 1871

Fig. 1.

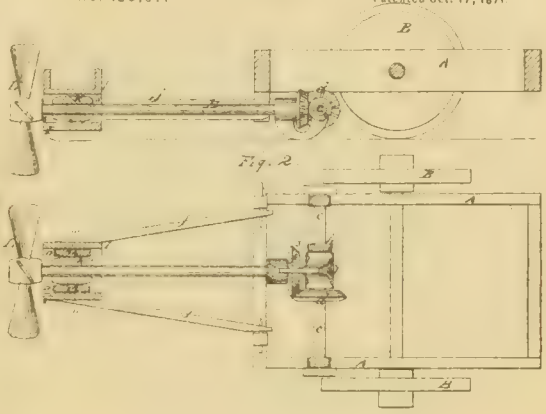


Fig. 3.

Witnesses
Geo. H. Strong
Jno. C. Tabor

Inventor
Oliver Hyde
By his Attys
Munn & Co.

2 Sheets--Sheet 1

A. E. McGAUGHEY.

Steam-Plows.

No. 134,913 Patented Jan. 14, 1873

Fig. 1.

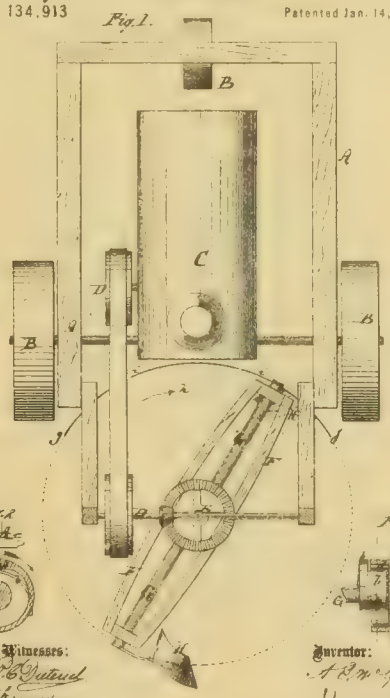


Fig. 2

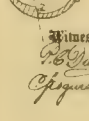


Fig. 3.

Witnesses:
P. C. Dieterich
C. Pequet

Inventor:
A. E. McGaughey
Per Munn & Co.
Attorneys.

2 Sheets--Sheet 2

A. E. McGAUGHEY.

Steam-Plows.

No. 134,913 Patented Jan. 14, 1873

Fig. 4.

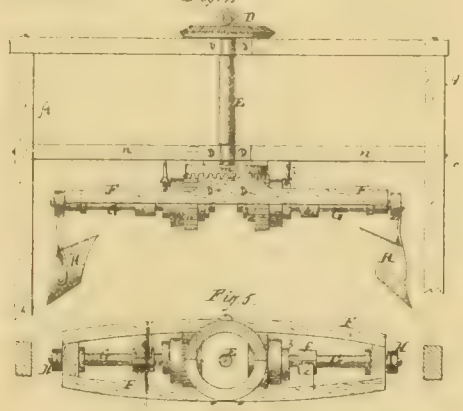
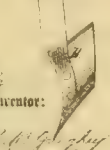


Fig. 5.

Fig. 6.

Fig. 8.



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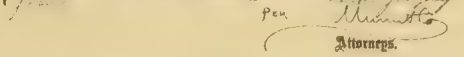


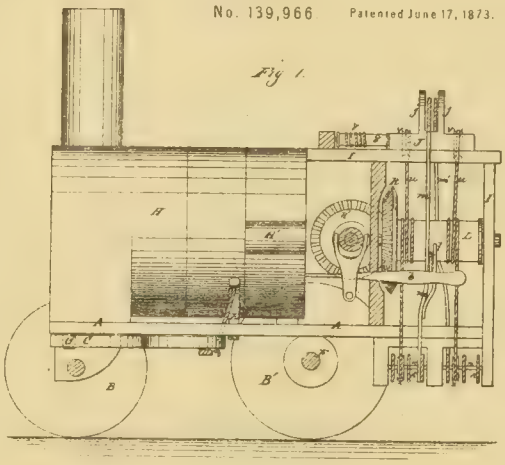
Witnesses:
P. C. Dieterich
C. Pequet

Inventor:
A. E. McGaughey
Per Munn & Co.
Attorneys.

3 Sheets--Sheet 1.

P. J. McDONALD.
Steam-Plows.
No. 139,966 Patented June 17, 1873.

Fig 1.



Witnesses

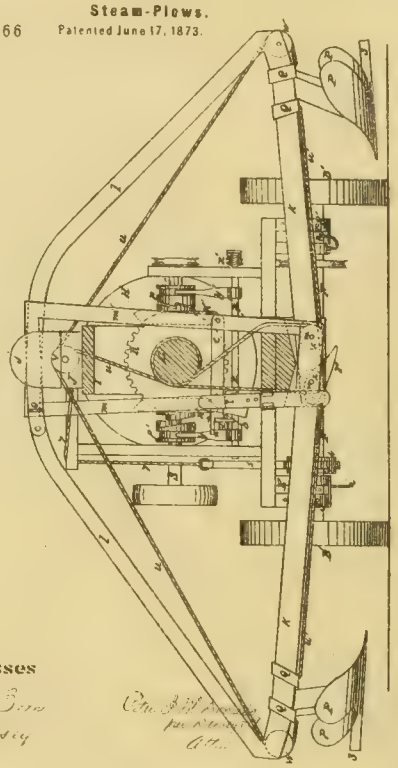
John S. Brown
Jno. Bressey

Chas. F. W. Dorsey
per Bressey & Co.
Attys.

3 Sheets--Sheet 2.

P. J. McDONALD.
Steam-Plows.
No. 139,966 Patented June 17, 1873.

Fig 2.



Witnesses

John S. Brown
Jno. Bressey

Chas. F. W. Dorsey
per Bressey & Co.
Attys.

3 Sheets--Sheet 3.

P. J. McDONALD.
Steam-Plows.
No. 139,966 Patented June 17, 1873.

Fig 3.

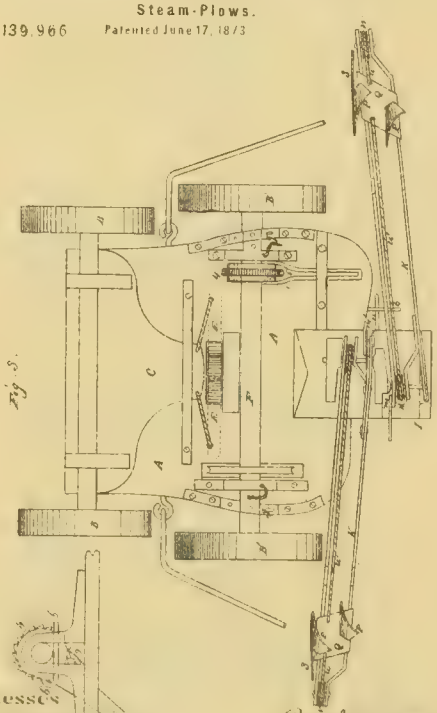


Fig 4

Witnesses

John S. Brown
Jno. Bressey

Chas. F. W. Dorsey
per Bressey & Co.
Attys.

2 Sheets--Sheet 1.

I. S. ALLEN, M. P. BROWEN & C. W. MOULTHROP.
Steam Plows.
No. 144,820. Patented Nov. 25, 1873.

Fig 1

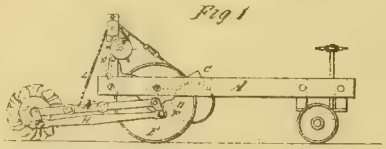
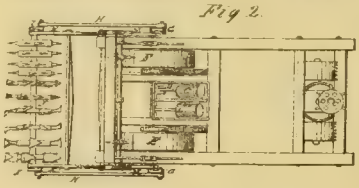
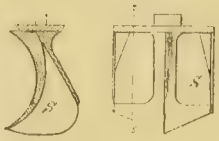


Fig 2.





Witnesses

H. B. Hayes
F. B. Lehy

Inventors

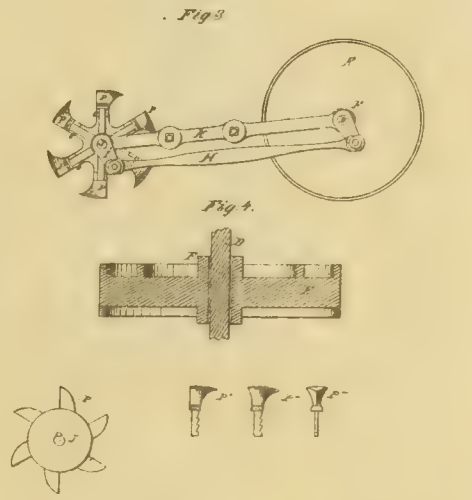
Isaac S. Allen
M. P. Browen
Chas. W. Moulthrop

2 Sheets--Sheet 2.

I. S. ALLEN, M. P. BROWEN & C. W. MOULTHROP.

Steam Plows.

No. 144,820. Patented Nov. 25, 1873.



Witnesses

H. B. Ingell
A. Blatchly

Inventors

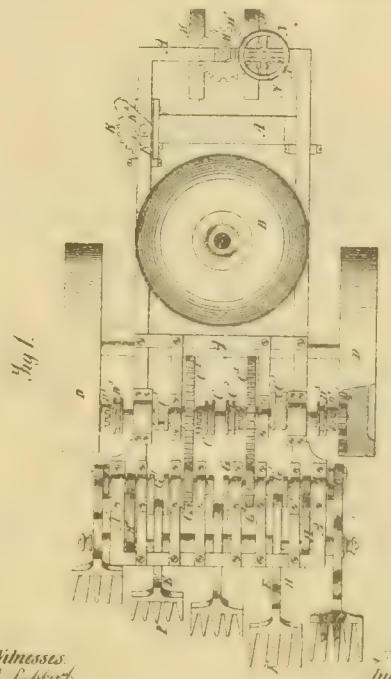
Isaac S. Allen
Meridan P. Browen
C. W. Moulthrop

3 Sheets--Sheet 1.

J. GILES.

Spading-Machines.

No. 147,122. Patented Feb. 3, 1874.



Witnesses.
A. Pickfort.
A. C. Cassell

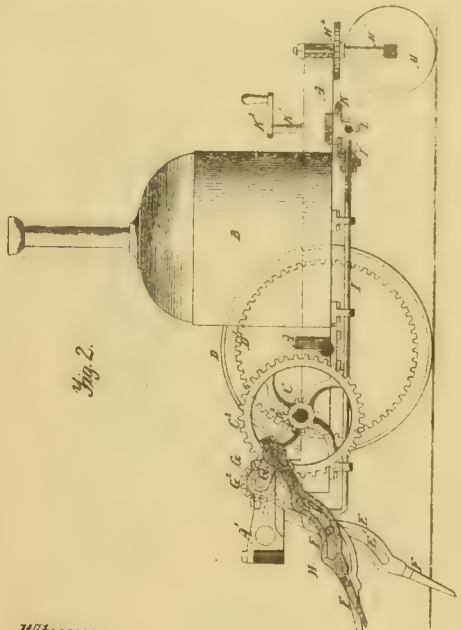
J. Giles
Inventor.
D. R. Holloway & Co
Attys

3 Sheets--Sheet 2

J. GILES.

Spading-Machines.

No. 147,122. Patented Feb. 3, 1874.



Witnesses.
A. Pickfort.
A. C. Cassell

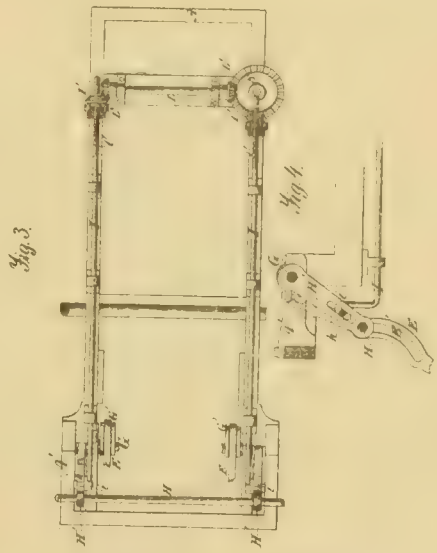
J. Giles
Inventor.
D. R. Holloway & Co
Attys

3 Sheets--Sheet 3.

J. GILES.

Spading-Machines.

No. 147,122. Patented Feb. 3, 1874.

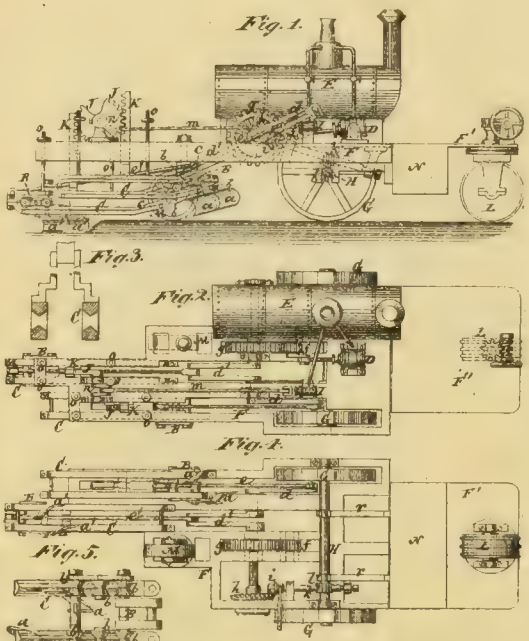


Witnesses.
A. Pickfort.
A. C. Cassell

J. Giles
Inventor.
D. R. Holloway & Co
Attys

J. W. EVANS.
Steam-Plows.

No. 149,210. Patented March 31, 1874.



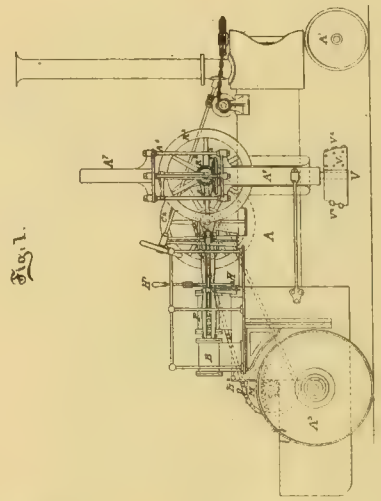
Witnesses
John Becker
Th. S. Hayne

James W. Evans
by his Attorneys
Brown & Allen

3 Sheets--Sheet 1.

J. FOGARTY.
Steam-Plow.

No 160,760 Patented March 16, 1875.



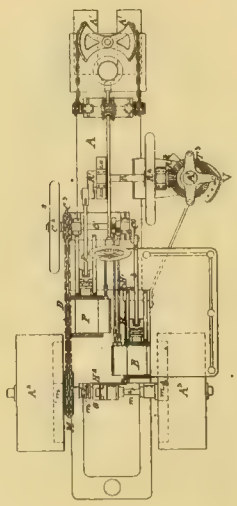
Witnesses:
E. Volkmann
W. C. Dey

Inventor:
James Fogarty
by his attorney
T. S. Stetson

3 Sheets--Sheet 2.

J. FOGARTY.
Steam-Plow.

No. 160,760 Patented March 16, 1875.



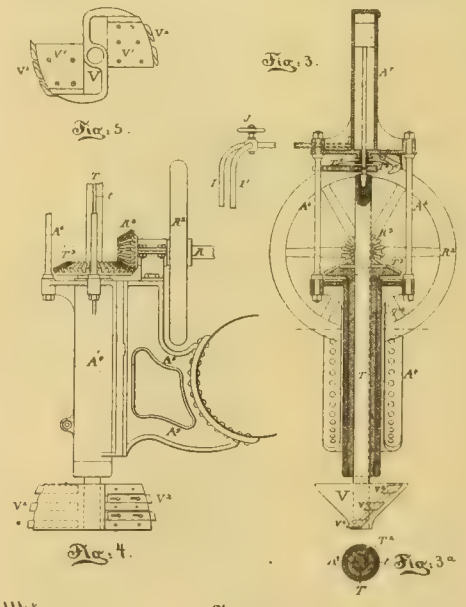
Witnesses:
E. Volkmann
W. C. Dey

Inventor:
James Fogarty
by his attorney
T. S. Stetson

3 Sheets--Sheet 3.

J. FOGARTY.
Steam-Plow.

No 160,760 Patented March 16, 1875

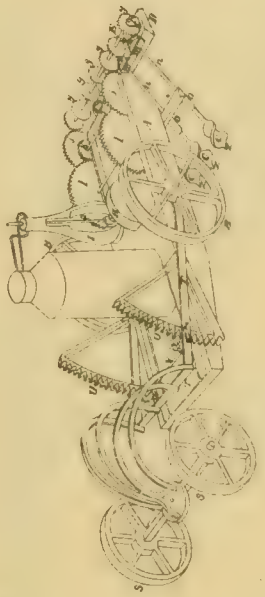


Witnesses:
E. Volkmann
W. C. Dey

Inventor:
James Fogarty
by his attorney
T. S. Stetson

D. BEAUMONT.
Steam-Plow.

No 162,884 Patented May 4, 1875

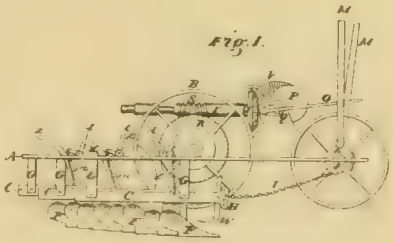


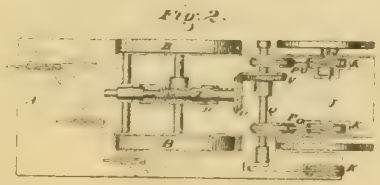
Witnesses
Geo. H. Strong
Jno. C. Dodge

Inventor
Dennis Beaumont
by Munn & Co.
Attys.

T. C. STARK.
Steam-Plow.

No. 166,230. Patented Aug. 3, 1875





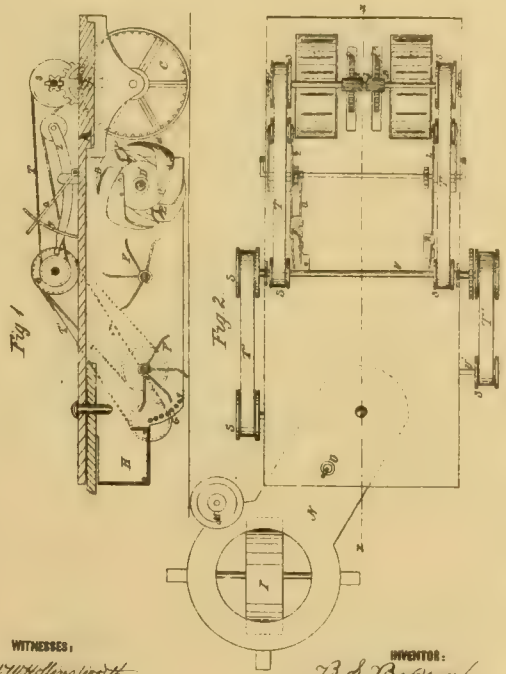
Witnesses
Geo. H. Strong
Jno. C. Dodge

Inventor
Thomas C. Stark
by Munn & Co.
Attys.

2 Sheets—Sheet 1.

B. S. BENSON.
STEAM-PLOW.

No. 171,595. Patented Dec. 28, 1875.



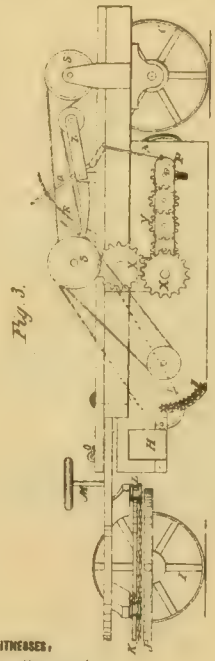
WITNESSES:
W. W. Hollingsworth
Solon O. Kenon

INVENTOR:
B. S. Benson
BY Munn & Co.

2 Sheets—Sheet 2

B. S. BENSON.
STEAM-PLOW

No. 171,595. Patented Dec. 28, 1875.

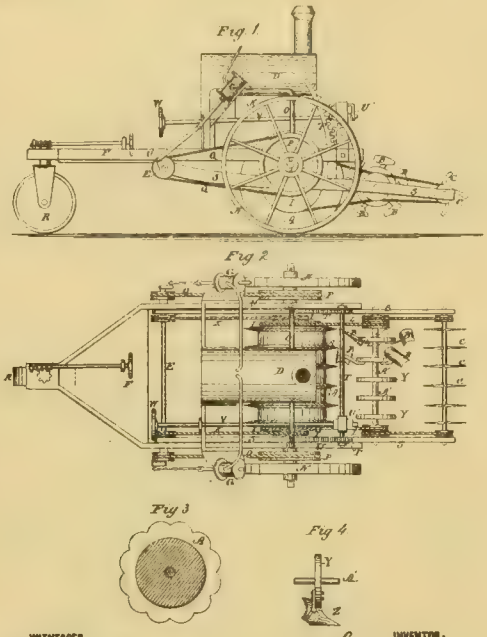


WITNESSES:
W. W. Hollingsworth
Solon O. Kenon

INVENTOR:
B. S. Benson
BY Munn & Co.
ATTORNEYS.

G. F. BROTT.
STEAM-PLOWS

No 185,484. Patented Dec. 19, 1876.

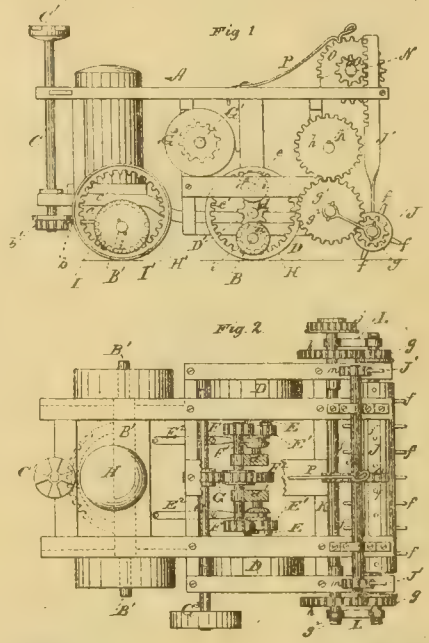


WITNESSES:
W. W. Hollingsworth
Geo. C. Kenon

INVENTOR:
Geo. F. Brott
BY
Munn & Co.
ATTORNEYS.

O. A. OLMSTED.
CULTIVATOR.

No. 191,996. Patented June 12, 1877.

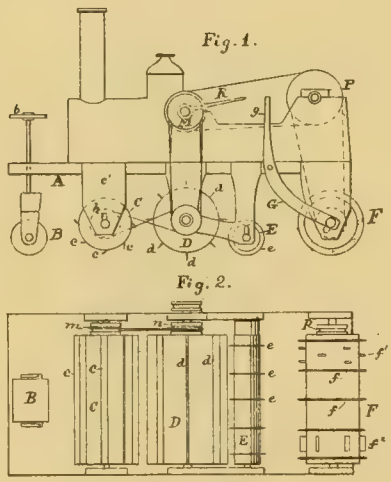


Attest
M. S. Utley
Willetta Anderson

Inventor:
Oliver A. Olmsted
by E. W. Anderson,
Attorney.

S. P. GODDARD
Steam-Plow.

No. 198,601. Patented Dec. 25, 1877.

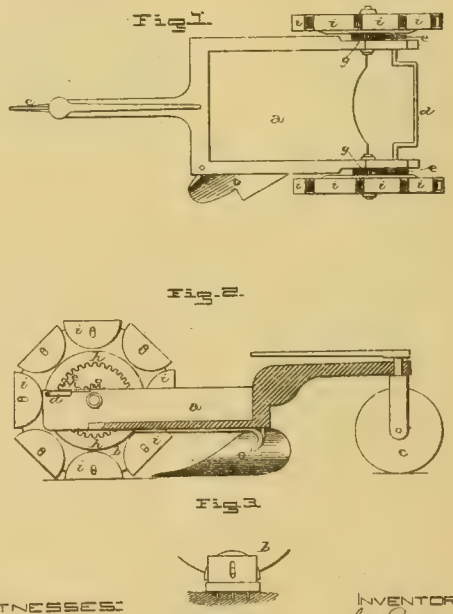


Witnesses:
Albert D. Morgan
E. H. Bradford

Inventor:
S. P. Goddard
By H. K. Ennis atty

J. BEARD.
Steam-Plow.

No. 204,790. Patented June 11, 1878.



WITNESSES:
Jno. F. Dillhamel
J. W. Garner

INVENTOR:
Jas. Beard,
per
J. A. Lehmann,
atty

6 Sheets—Sheet 1

J. FOGARTY
Steam-Plow.

No. 211,843 Patented Feb. 4. 1879.

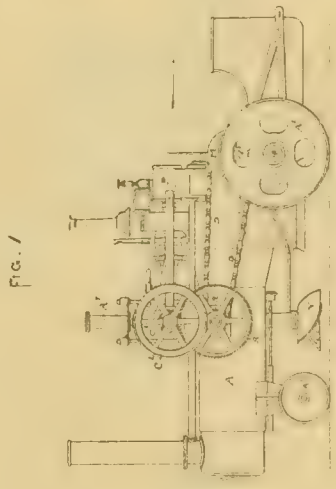


FIG. 1

WITNESSES:
W. C. Brookes
Otto Müller

INVENTOR:
James Fogarty
by his Attorney
T. L. Sexton

6 Sheets—Sheet 2

J. FOGARTY.
Steam-Plow

No. 211 843 Patented Feb. 4. 1879.

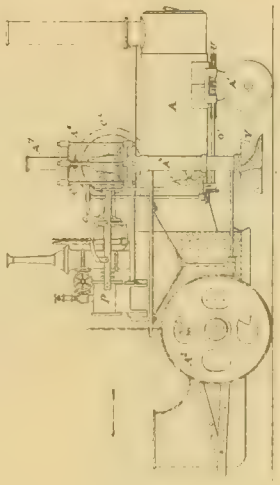


FIG. 2

WITNESSES:
W. C. Brookes
Otto Müller

INVENTOR:
James Fogarty
by his Attorney
T. L. Sexton

6 Sheets—Sheet 3

J. FOGARTY.
Steam-Plow

No. 211,843. Patented Feb. 4. 1879.

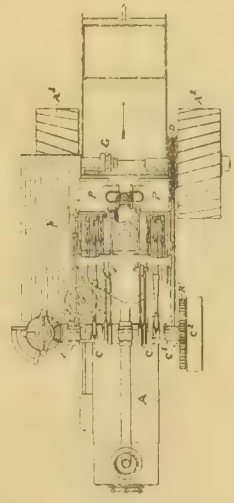


FIG. 3

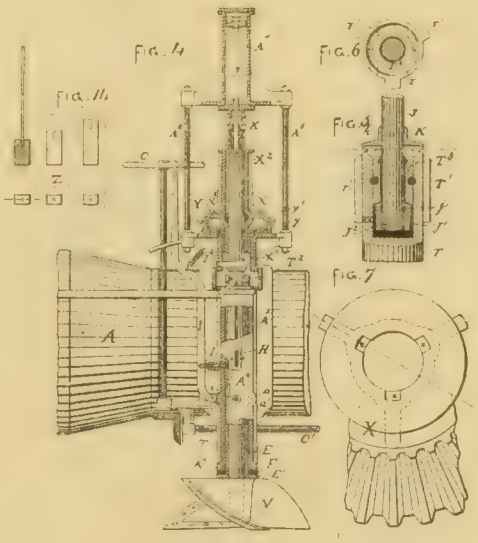
WITNESSES:
W. C. Brookes
Otto Müller

INVENTOR:
James Fogarty
by his Attorney
T. L. Sexton

6 Sheets—Sheet 4

J. FOGARTY
Steam-Plow

No. 211,843. Patented Feb. 4. 1879.



WITNESSES:
W. C. Brookes
Otto Müller

INVENTOR:
James Fogarty
by his Attorney
Thomas L. Sexton

6 Sheets—Sheet 5.

J. FOGARTY.

Steam-Plow.

No. 211,843. Patented Feb. 4, 1879.

Fig. 8

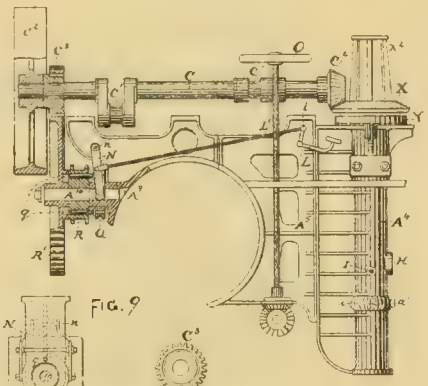


Fig. 9

Fig. 10

WITNESSES:

W. C. Brookes

Otto Müller

INVENTOR:

James Fogarty

by his Atty

Thomas S. Stetson

6 Sheets—Sheet 6.

J. FOGARTY.

Steam-Plow.

No. 211,843. Patented Feb. 4, 1879.

Fig. 11

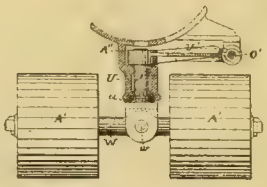


Fig. 12

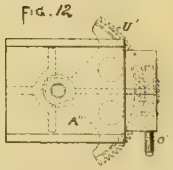
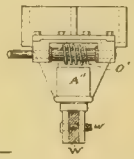


Fig. 13



WITNESSES:

W. C. Brookes

Otto Müller

INVENTOR:

James Fogarty

by his Atty

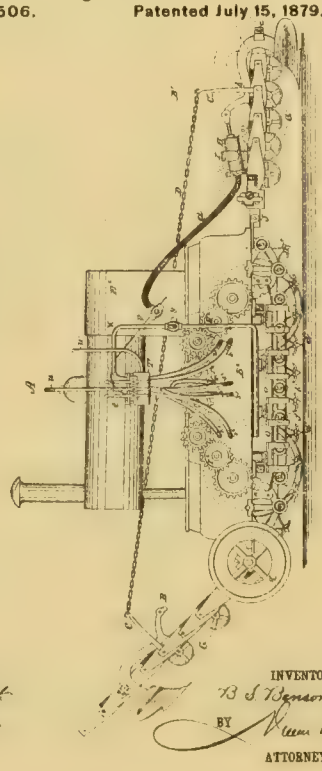
Thomas S. Stetson

3 Sheets—Sheet 1.

B. S. BENSON.

Traction-Engine and Steam-Plow.

No. 217,506. Patented July 15, 1879.



WITNESSES:

W. W. Wadsworth

Edw. F. Wright

INVENTOR:

B. S. Benson

BY

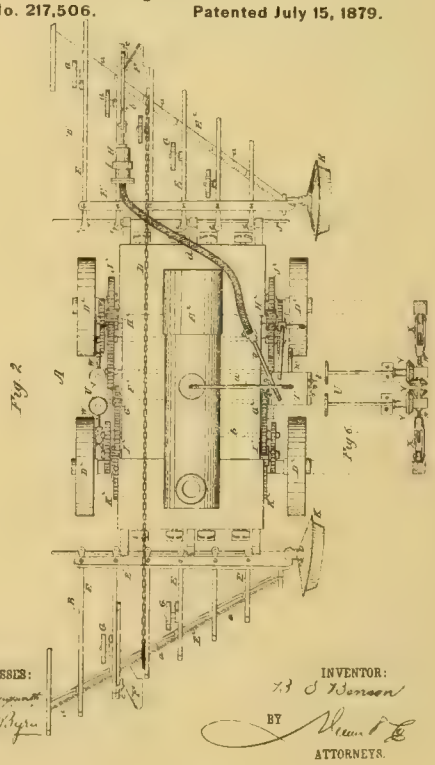
ATTORNEYS.

3 Sheets—Sheet 2.

B. S. BENSON.

Traction-Engine and Steam-Plow.

No. 217,506. Patented July 15, 1879.



WITNESSES:

W. W. Wadsworth

Edw. F. Wright

INVENTOR:

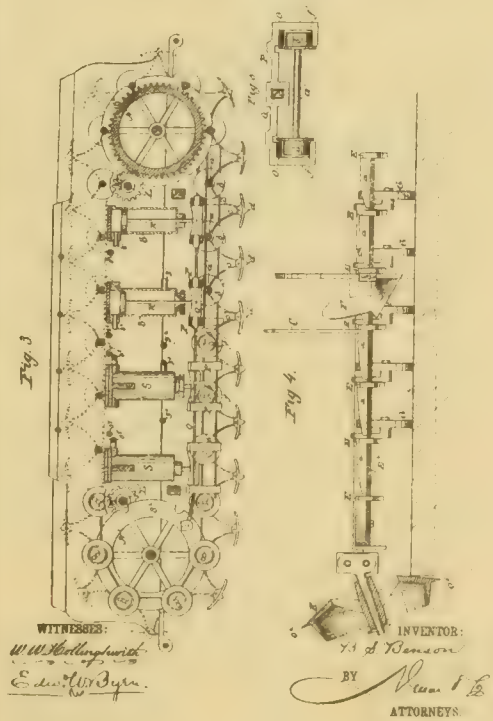
B. S. Benson

BY

ATTORNEYS.

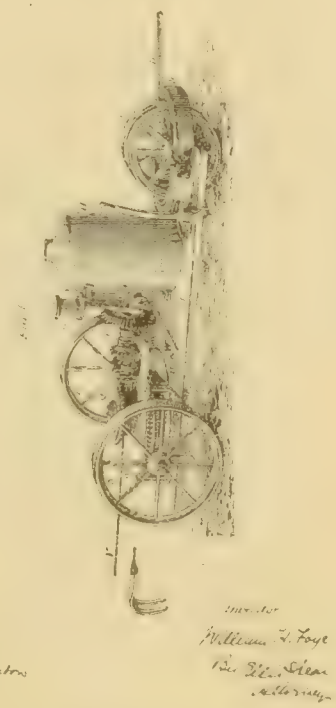
3 Sheets—Sheet 3

B. S. BENSON.
Traction-Engine and Steam-Plow.
No. 217,506. Patented July 15, 1879.



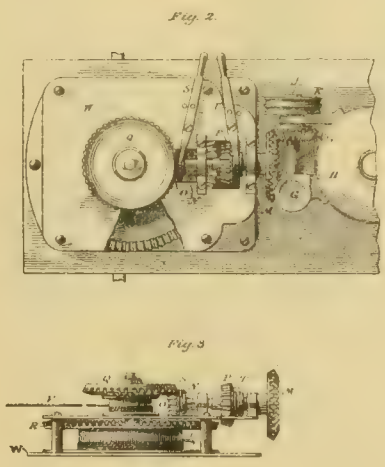
2 Sheets—Sheet 1

W. H. FOYE
Steam-Farming Apparatus.
No. 220,365. Patented Oct. 7, 1879.

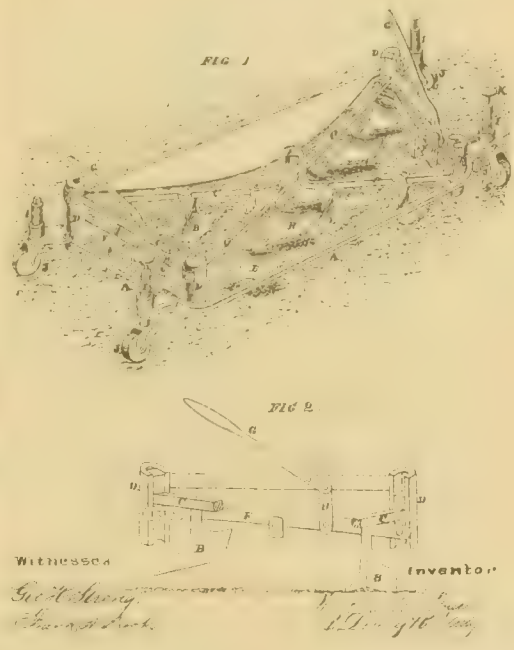


2 Sheets—Sheet 2

W. H. FOYE.
Steam-Farming Apparatus.
No. 220,365. Patented Oct. 7, 1879.



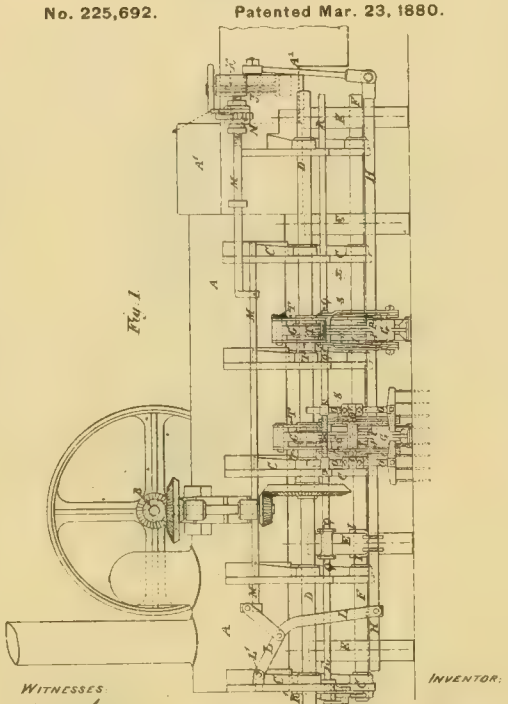
W. H. FOYE.
Double-Acting Reversible Gang-Plow.
No. 220,367. Patented Oct. 7, 1879.



2 Sheets—Sheet 1.

T. C. DARBY.
Cultivator.

No. 225,692. Patented Mar. 23, 1880.



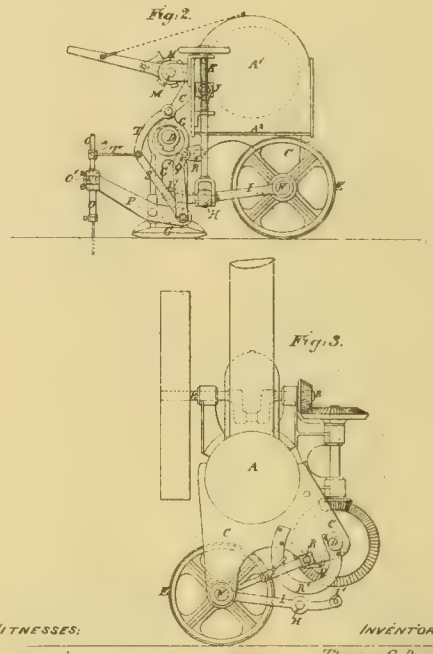
WITNESSES:
Wm A. Simkly
Geo W. Beck

INVENTOR:
Thomas C. Darby
By his Attorneys
Baldwin, Hopkins & Peyton

2 Sheets—Sheet 2.

T. C. DARBY.
Cultivator.

No. 225,692. Patented Mar. 23, 1880.



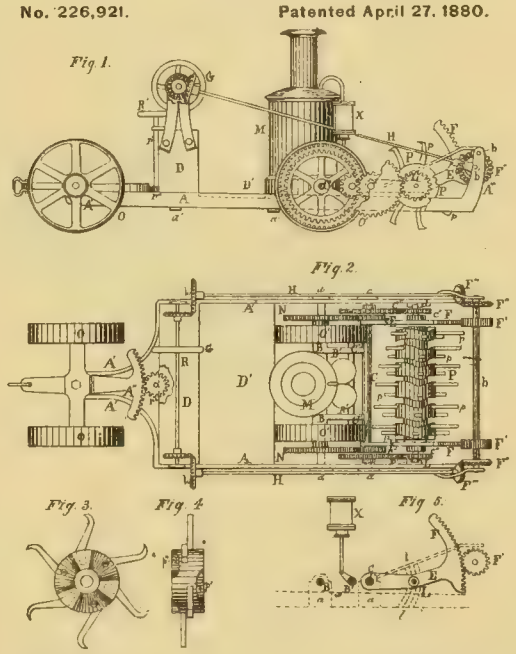
WITNESSES:
Wm A. Simkly
Geo W. Beck

INVENTOR.
Thomas C. Darby
By his Attorneys.
Baldwin, Hopkins & Peyton

(No Model.)

T. H. McCRAY.
Steam-Plow.

No. 226,921. Patented April 27, 1880.



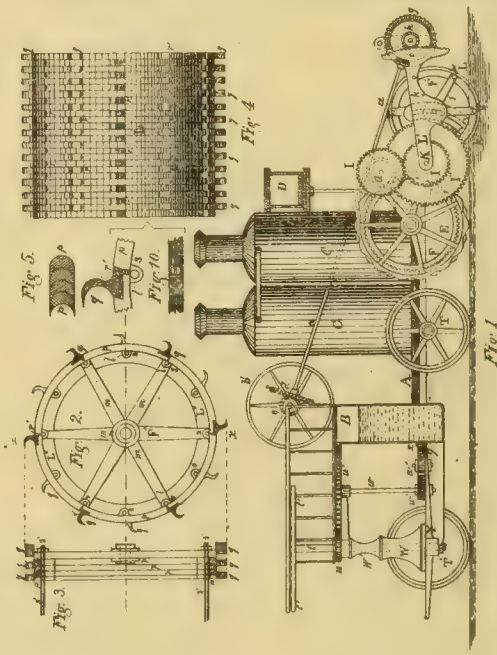
Witnesses
Luther H. Pike
C. F. Shelell

Inventor
Thos. H. McCray
Per. Wm. R. Singleton
Atty.

(No Model.) 2 Sheets—Sheet 1.

T. H. McCRAY.
Steam Plow.

No. 234,882. Patented Nov. 30, 1880.



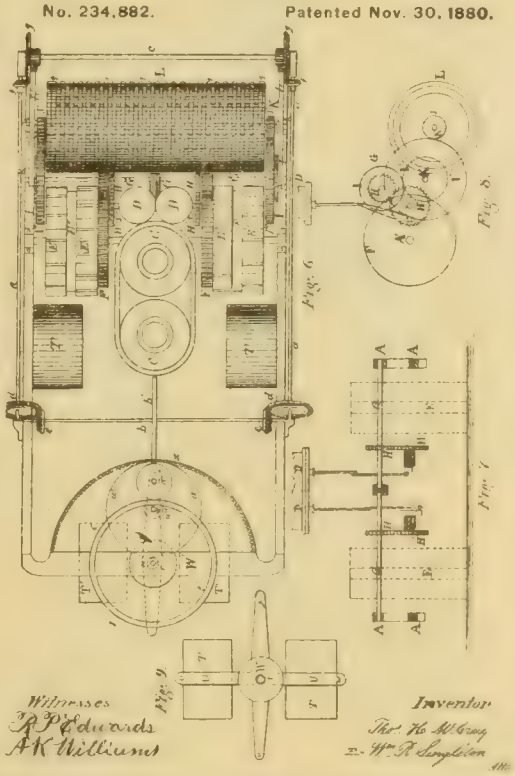
Witnesses
R. P. Edwards
A. K. Williams

Inventor
Thos. H. McCray
Per Wm. R. Singleton
Atty.

(No Model.) 2 Sheets—Sheet 2.

T. H. McCRAY.
Steam Plow.

No. 234,882. Patented Nov. 30, 1880.



Witnesses
R. P. Edwards
A. K. Williams

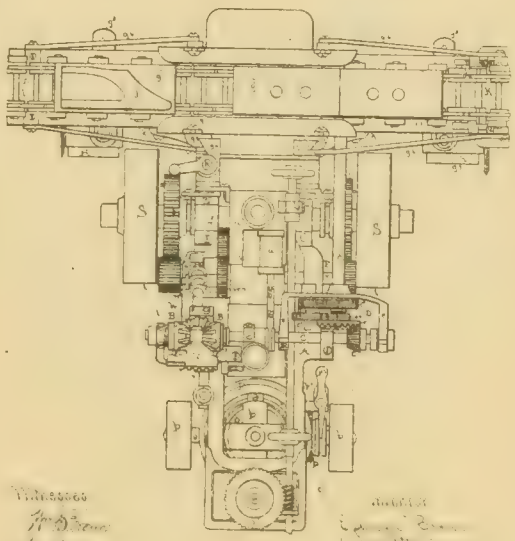
Inventor
Thos. H. McCray
by Wm. R. Singleton
Atty.

(Model.) 3 Sheets—Sheet 1.

E. BROWN.
Steam Plow.

No. 236,771. Patented Jan. 18, 1881.

Fig. 1



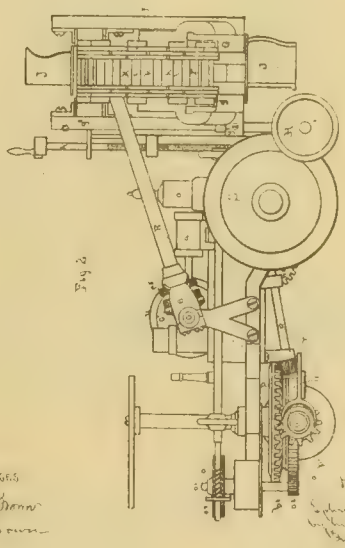
Witnesses

Inventor

(Model.) 3 Sheets—Sheet 2.

E. BROWN.
Steam Plow.

No. 236,771. Patented Jan. 18, 1881.



Witnesses

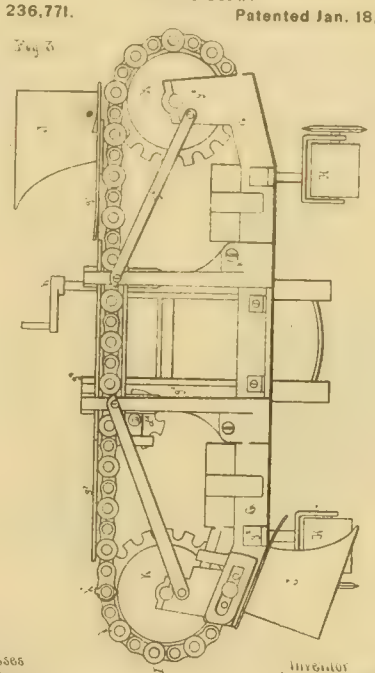
Inventor

(Model.) 3 Sheets—Sheet 3.

E. BROWN.
Steam Plow.

No. 236,771. Patented Jan. 18, 1881.

Fig. 3



Witnesses

Inventor

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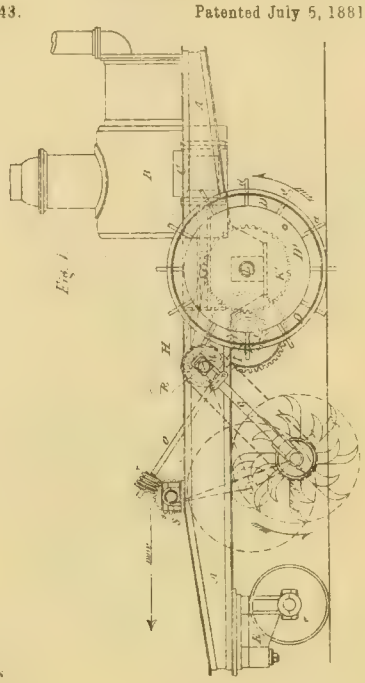
C. B. BOSTWICK.
STEAM PLOW.

No. 243,843. Patented July 5, 1881.



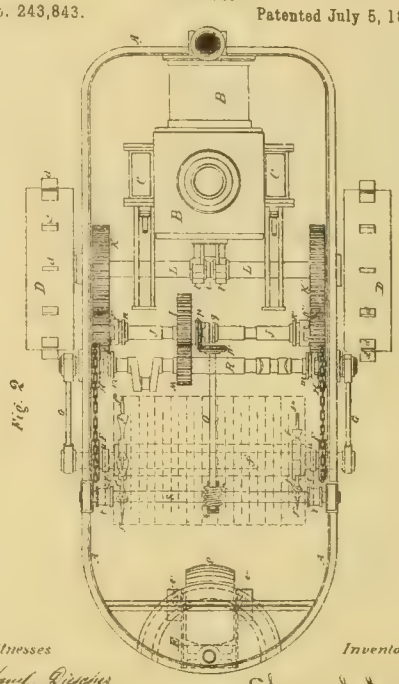
Witnesses
Saml. Duscher
Joseph Stillwing

Inventor
Chauncey B. Bostwick
By C. M. Alexander
Attorney

(No Model.) 4 Sheets—Sheet 2.

C. B. BOSTWICK.
STEAM PLOW.

No. 243,843. Patented July 5, 1881.



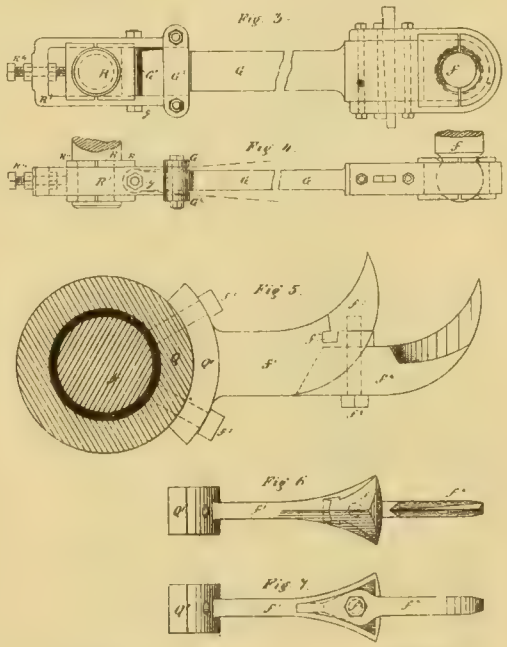
Witnesses
Saml. Duscher
Joseph Stillwing

Inventor.
Chauncey B. Bostwick
By C. M. Alexander
Attorney

(No Model.) 4 Sheets—Sheet 3.

C. B. BOSTWICK.
STEAM PLOW.

No. 243,843. Patented July 5, 1881.



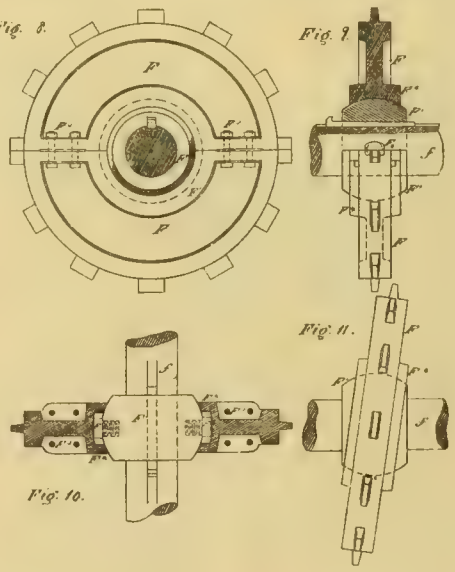
Witnesses.
Saml. Duscher.
Joseph Stillwing

Inventor.
Chauncey B. Bostwick
By C. M. Alexander
Attorney

(No Model.) 4 Sheets—Sheet 4.

C. B. BOSTWICK.
STEAM PLOW.

No. 243,843. Patented July 5, 1881.



Witnesses.
Saml. Duscher
W. Aubrey Fowlemin

Inventor.
Chauncey B. Bostwick
By C. M. Alexander
Attorney

(No Model.)

R. E. ROSE

PLOW.

No. 249,404. Patented Nov. 8, 1881.

Fig. 1

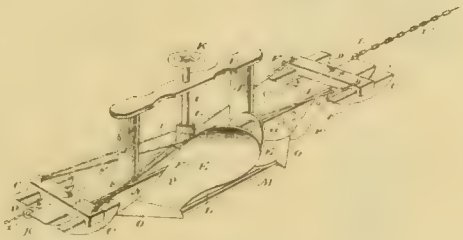
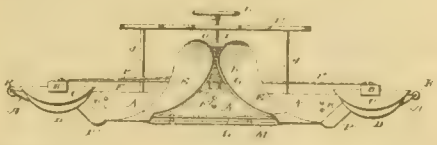


Fig. 6.



WITNESSES

Frank C. Bowen

INVENTOR

Rufus E. Rose.

By Dewey & Sugrue.

ATTORNEY

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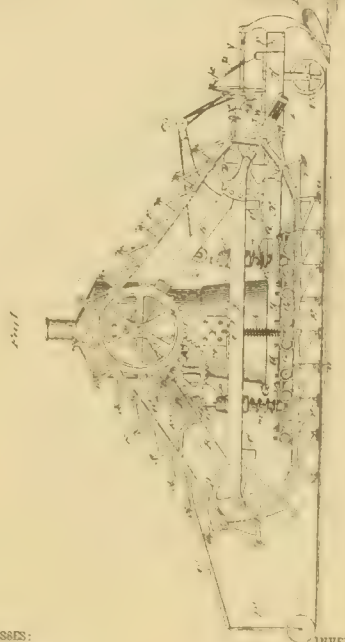
B. S. BENSON.

STEAM PLOW.

No. 251,513. Patented Dec. 27, 1881.



WITNESSES:

INVENTOR:

BY

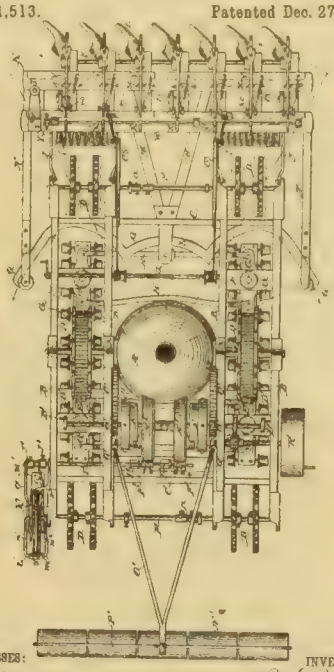
ATTORNEYS.

(No Model.) 6 Sheets—Sheet 2.

B. S. BENSON

STEAM PLOW

No. 251,513. Patented Dec. 27, 1881.



WITNESSES:

INVENTOR:

BY

ATTORNEYS.

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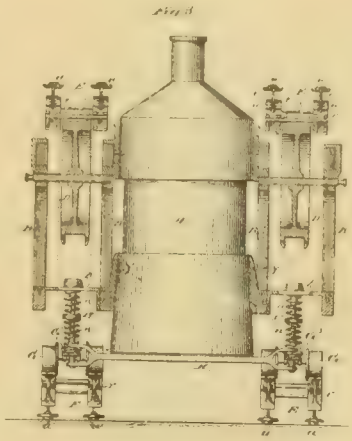
B. S. BENSON.

STEAM PLOW.

No. 251,513. Patented Dec. 27, 1881.



WITNESSES:

INVENTOR:

BY

ATTORNEYS.

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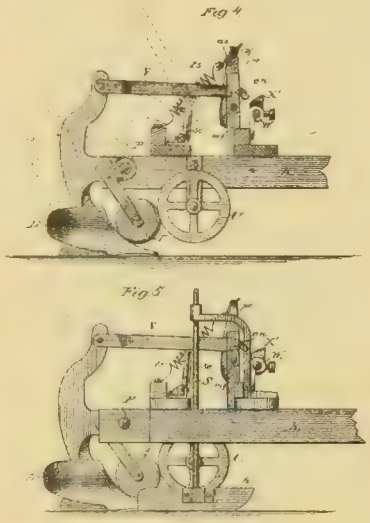
B. S. BENSON.

STEAM PLOW.

No. 251,513. Patented Dec. 27, 1881.



WITNESSES:

INVENTOR:

BY

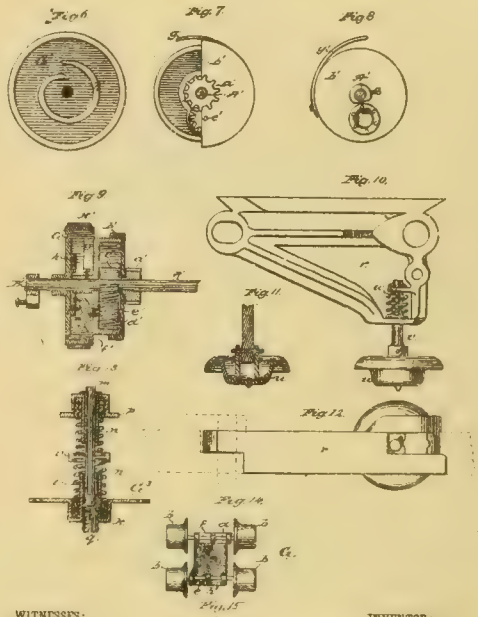
ATTORNEYS.

(No Model.) 6 Sheets—Sheet 5.

B. S. BENSON.

STEAM PLOW.

No. 251,513. Patented Dec. 27, 1881.



WITNESSES:

INVENTOR:

BY

ATTORNEYS.

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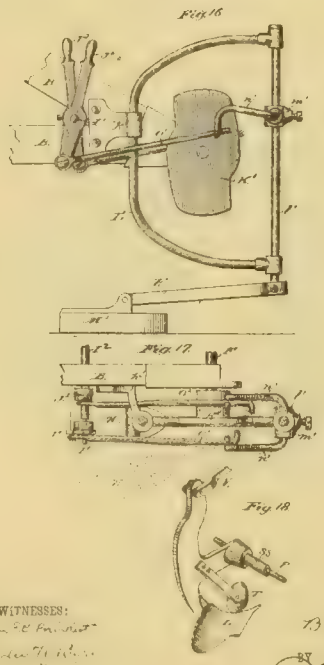
B. S. BENSON.

STEAM PLOW.

No. 251,513. Patented Dec. 27, 1881.



WITNESSES:

INVENTOR:

BY

ATTORNEYS.

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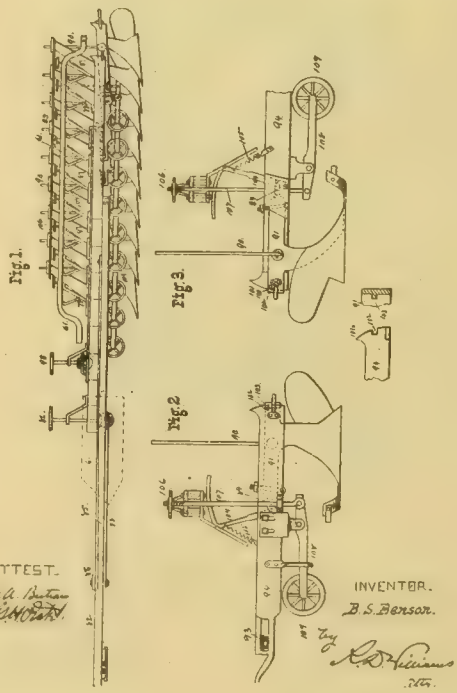
B. S. BENSON.

GANG PLOW.

No. 251,817. Patented Jan. 3, 1882.



ATTEST.

INVENTOR.

B. S. Benson.

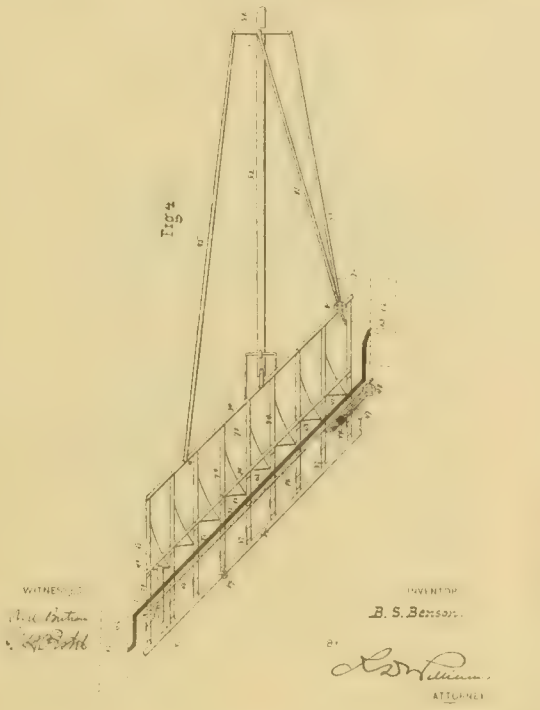
Per

(No Model.) 3 Sheets—Sheet 2

B. S. BENSON

GANG PLOW.

No. 251,817. Patented Jan. 3, 1882.



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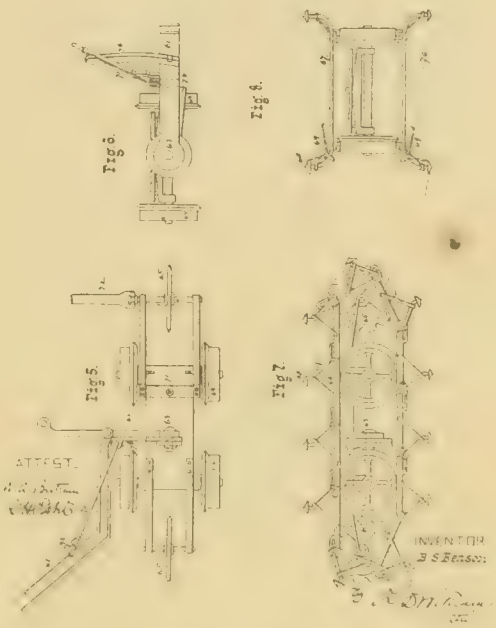
B. S. BENSON

GANG PLOW.

No. 251,817. Patented Jan. 3, 1882.



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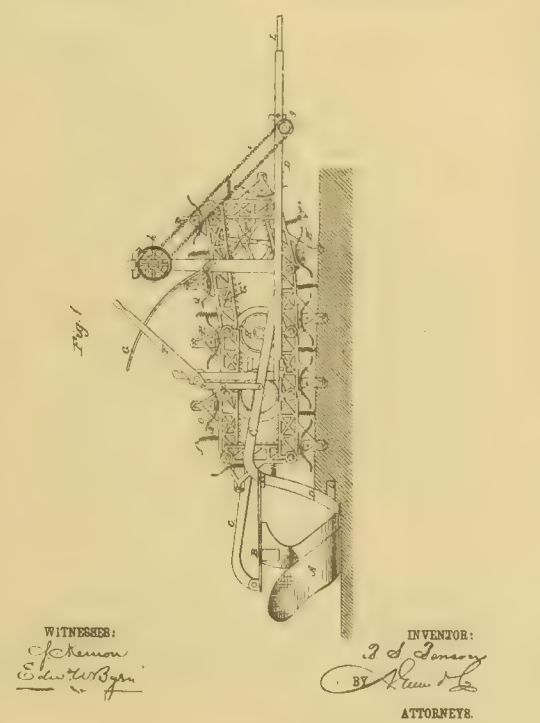
B. S. BENSON.

PLOW.

No. 252,991. Patented Jan. 31, 1882.



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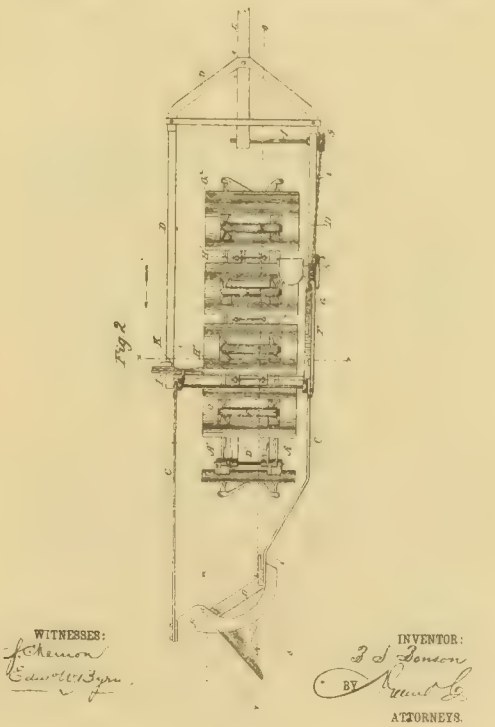
B. S. BENSON.

PLOW.

No. 252,991. Patented Jan. 31, 1882.



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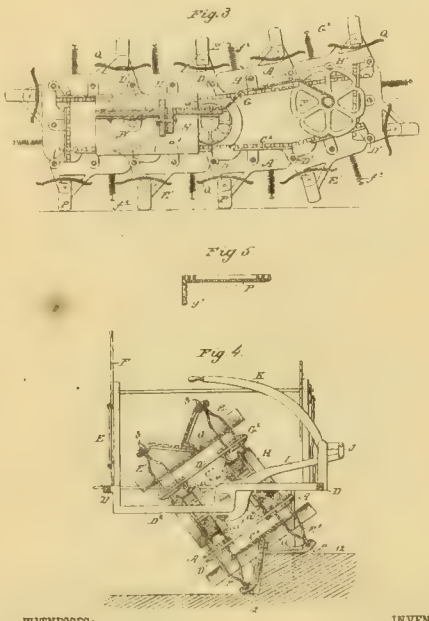
PLOW.

No. 252,991. Patented Jan. 31, 1882.



WITNESSES:

INVENTOR:

ATTORNEYS.

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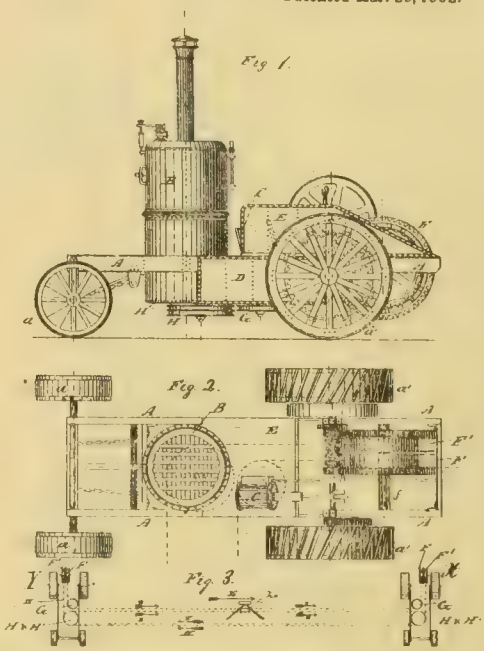
F. BRUTSCHKE.

STEAM PLOWING.

No. 255,587. Patented Mar. 28, 1882.



Witnesses:

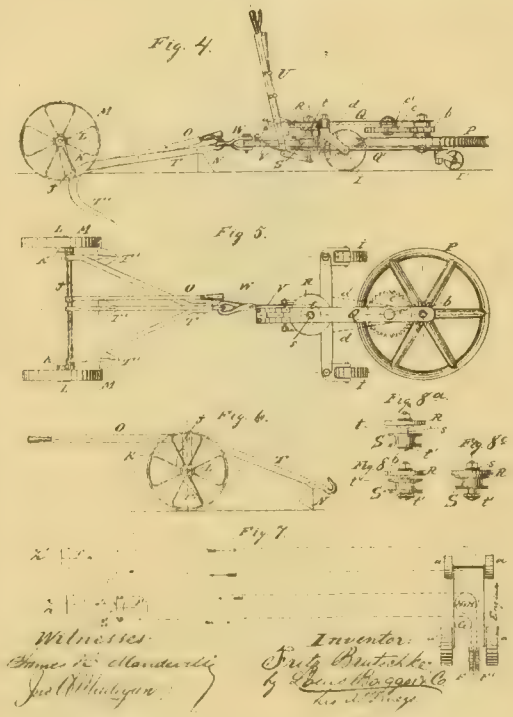
Inventor:

(No Model.) 2 Sheets—Sheet 2.

F. BRUTSCHKE.

STEAM PLOWING.

No. 255,587. Patented Mar. 28, 1882.



Witnesses:

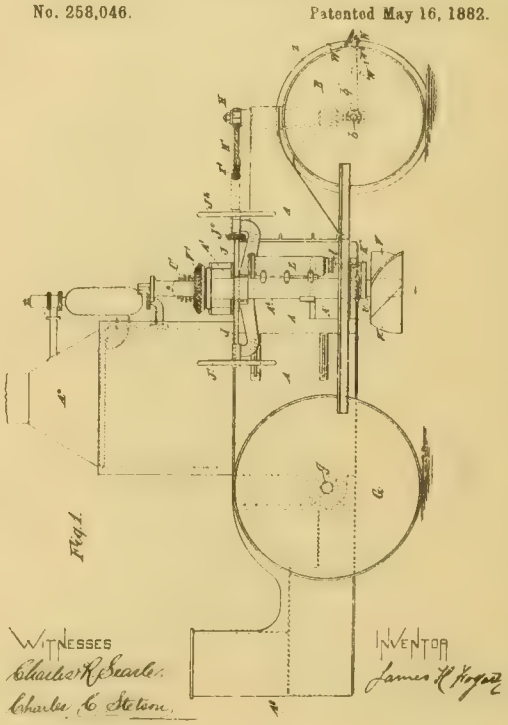
Inventor:

(No Model. 4 Sheets—Sheet 1.

J. H. FOGARTY.

STEAM PLOW.

No. 258,046. Patented May 16, 1882.



WITNESSES

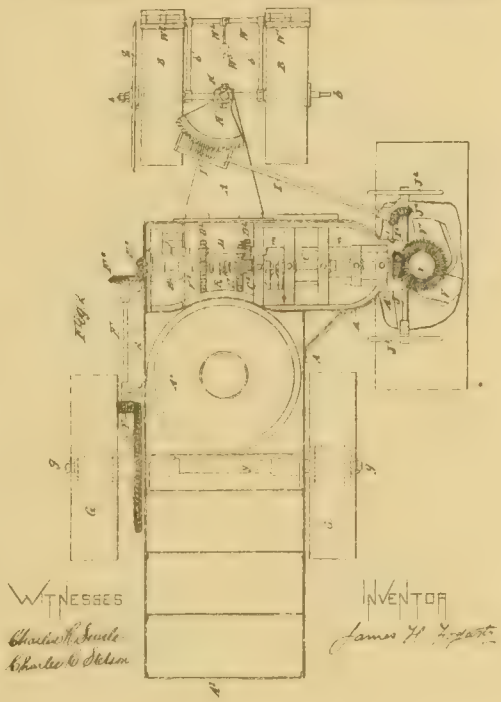
INVENTOR

(No Model.) 4 Sheets—Sheet 2

J. H. FOGARTY.

STEAM PLOW.

No. 258,046. Patented May 16, 1882.



WITNESSES

Charles K. Searle

Charles C. Stetson

INVENTOR

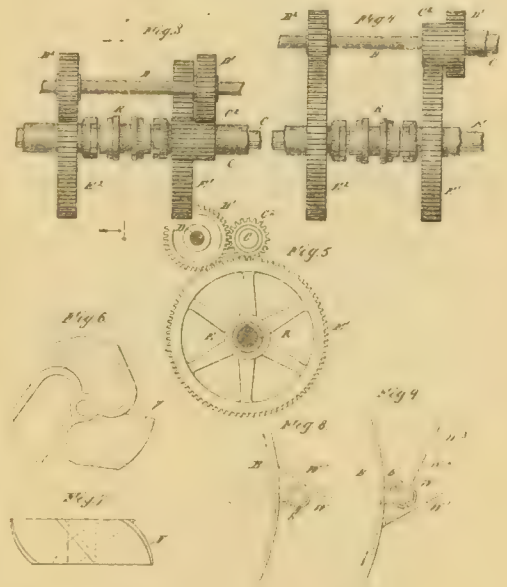
James H. Fogarty

(No Model.) 4 Sheets—Sheet 3

J. H. FOGARTY.

STEAM PLOW.

No. 258,046. Patented May 16, 1882.



WITNESSES

Charles K. Searle

Charles C. Stetson

INVENTOR

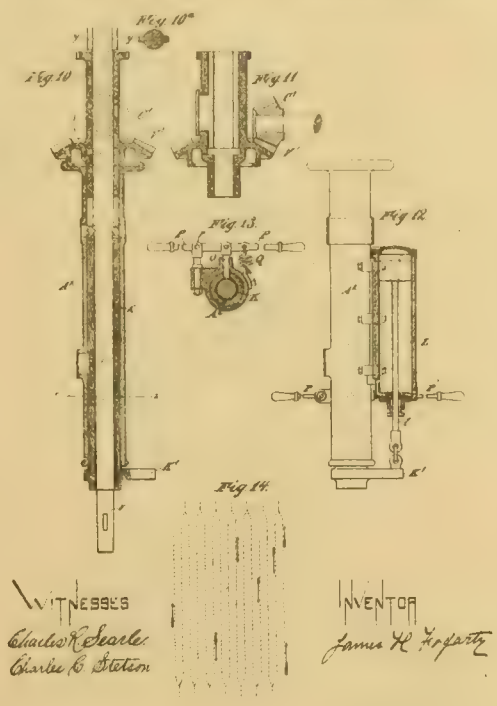
James H. Fogarty

(No Model.) 4 Sheets—Sheet 4

J. H. FOGARTY.

STEAM PLOW.

No. 258,046. Patented May 16, 1882.



WITNESSES

Charles K. Searle

Charles C. Stetson

INVENTOR

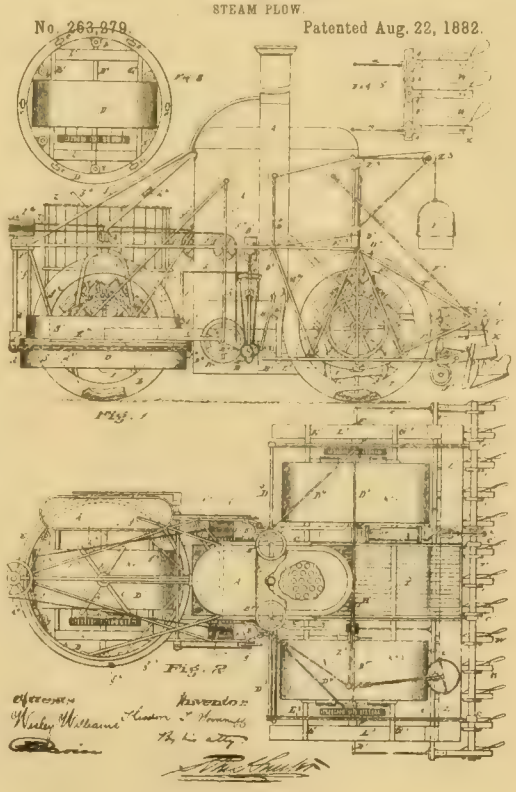
James H. Fogarty

(Model.) 2 Sheets—Sheet 1

T. T. WOODRUFF.

STEAM PLOW.

No. 263,079. Patented Aug. 22, 1882.



Witnesses

Wesley Williams

Inventor

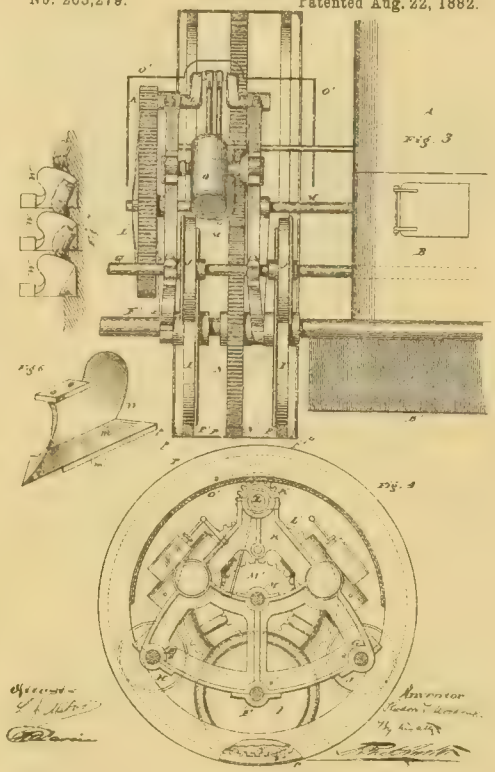
Thos. T. Woodruff

(Model.) 2 Sheets—Sheet 2.

T. T. WOODRUFF.

STEAM PLOW.

No. 263,279. Patented Aug. 22, 1882.



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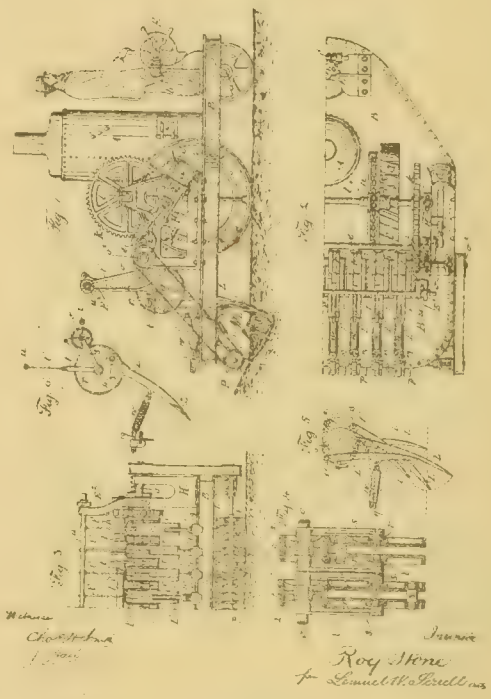
R. STONE.

STEAM PLOW.

No. 265,345. Patented Oct. 3, 1882.

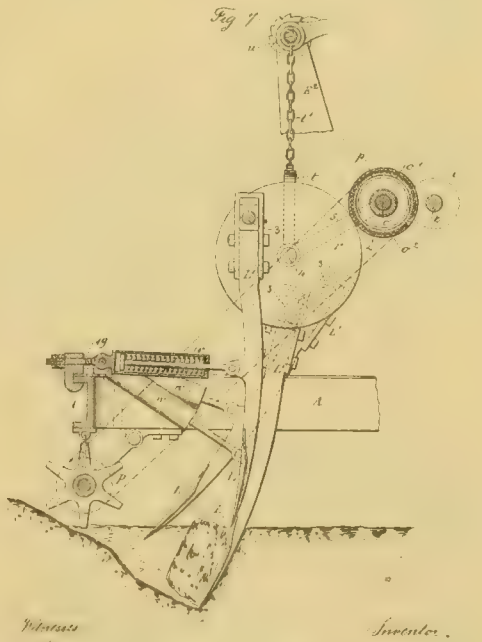


(No Model.) 2 Sheets—Sheet 2

R. STONE.

STEAM PLOW.

No. 265,345. Patented Oct. 3, 1882.

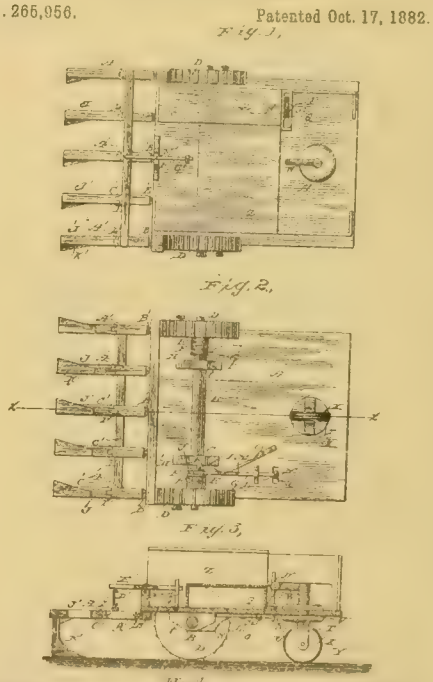


(No Model.)

J. M. GARDNER.

STEAM PLOW RUNNING GEAR.

No. 265,056. Patented Oct. 17, 1882.



WITNESSES:

INVENTOR

ATTORNEYS.

SUBSOILERS.

	Plate	*Claim*
Adcock, J. J., Lumpkin, G. J., and White M.	1087	659
Aland, S.	1062	651
Allen, D. M.	1077	656
Atkinson, C.	1085	658
Bacon, H.	1055	649
Banks, J.	1056	649
Beall, Z. M.	1060	650
Berdan, M.	1067	652
Black, W.	1057	649
Bond, J. L.	1073	654
Boon, A. T.	1063	651
Boul, C.	1086	659
Bourne, E.	1081	657
Bowen, H. R. and Robnett, L. D.	1073	654
Bradford, W. B.	1076	655
Bradley, J.	1066	652
Brimingham, G. B.	1080	657
Brinly, T. E. C.	1077	656
Bryant, W	1055	649
Burdin, L. E.	1071	654
Burnham, W. H. H. and Pierce, S. B.	1061	650
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Carleton, L.	1071	654
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Cooper, J. B.	1060	650
Cotten, T. L.	1070	653
Cotten, T. L.	1079	656
Crockett, R. S.	1072	654
Custer, J.	1068	653
Cutcliffe, E.	1080	657
Davis, B. and Scroggin, J. M.	1058	649
Dickson, A.	1057	649
Dover, S. B.	1087	659
Everdon, W. P.	1065	652
Fisher, J.	1067	652
Fletcher, S. E.	1078	656
Fowler, J.	1064	651
Freeman, I.	1083	658
Gilbert, P. M.	1063	651
Gillette, H.	1076	656
Griffin, I. M.	1082	657
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Griggs, A.	1083	658
Gross, E.	1059	649
Gross, J. C.	1069	653
Harris, J. P.	1056	649
Harris, I. P.	1058	649
Hartman, C. R.	1066	652
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Hayden, C.	1066	652
Howard, J. W.	1079	656
Hunter, J. T. and Mitchell, D. L. H.	1078	656
Jarrell, J.	1084	658
Johnson, R.	1069	653
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Johnson, R.	1074	655
Johnson, R.	1075	655
Jones, M. R.	1065	651
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Krake, J. A.	1065	651
Lamb, D. M.	1076	655
Leonard, J. C. and Gobar, J. J.	1067	652
Love, J.	1078	656
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McCollum, J.	1060	650
McKinnon, K.	1079	656
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McMahen, A. A.	1058	649
Mangham, J. T.	1082	657
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Nabers, T.	1076	655
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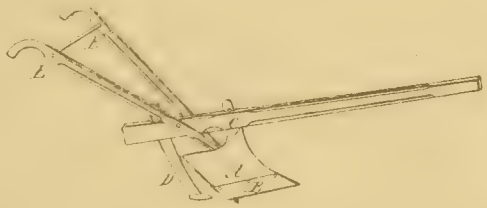
Themar, R. and Brand Brothers,	1074	655
Turner, J. R. and Jacobs, J.	1080	657
Tuttle, S. D.	1066	652
Utley, G.	1057	649
Vairin, A. L. P.	1080	657
Walpole, W. R.	1064	651
Warinner, W.	1081	657
Watson, E. S.	1082	657
Webb, J. W.	1072	654
Wheatley, R. J.	1063	651
Whitehall, N.	1075	655
Whittick, A. H.	1075	655
Wilder, T. G.	1073	654
Williams, W. B.	1058	649
Wolf, L.	1061	650
Wood, J. and North, R.	1056	649
Yost, G. W. N.	1062	650

W. Bryant

Subsoil Plow.

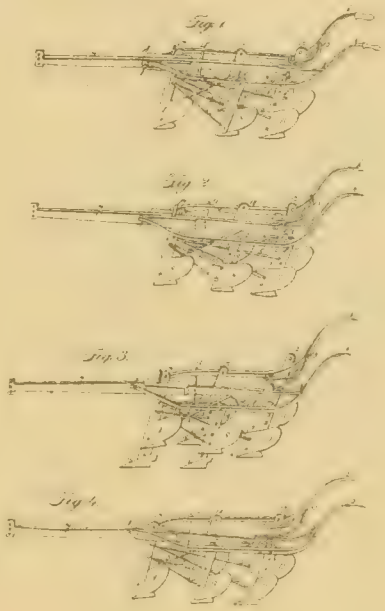
No. 1,547. Patented Mar. 31, 1840.



H. BACON.

Subsoil-Plow.

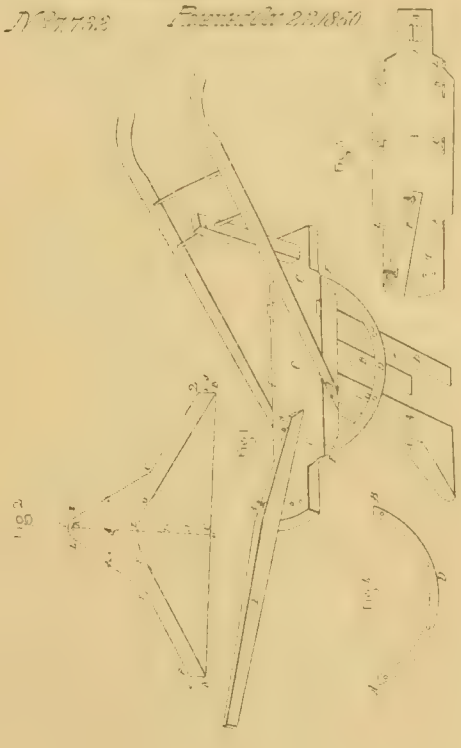
No. 6,508. Patented June 5, 1849.



W. C. Pratt

Subsoil Plow.

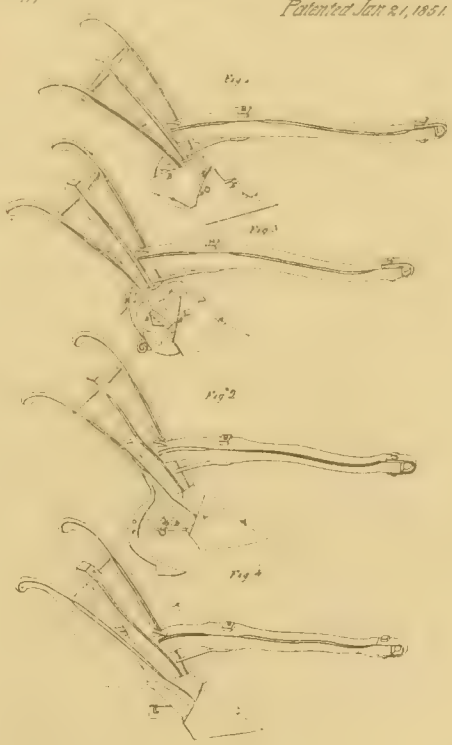
No. 7,732. Patented Oct. 22, 1850.

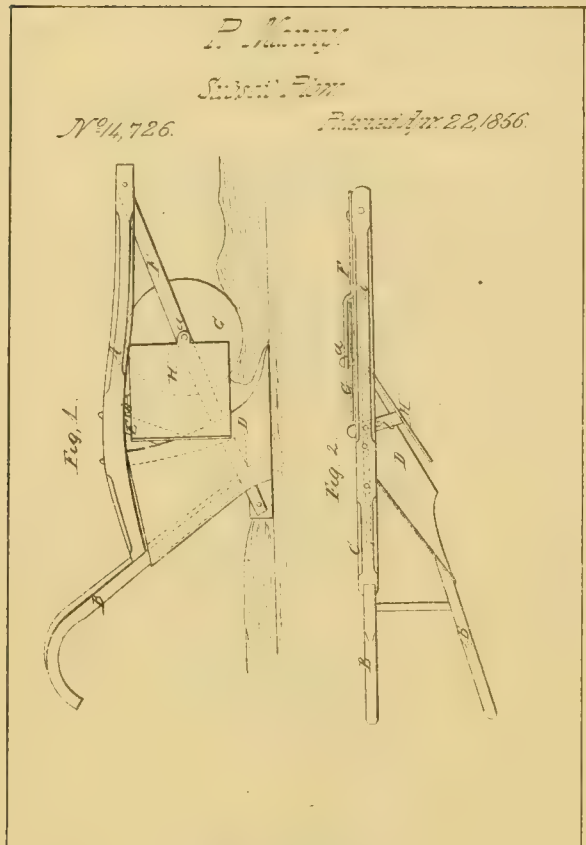


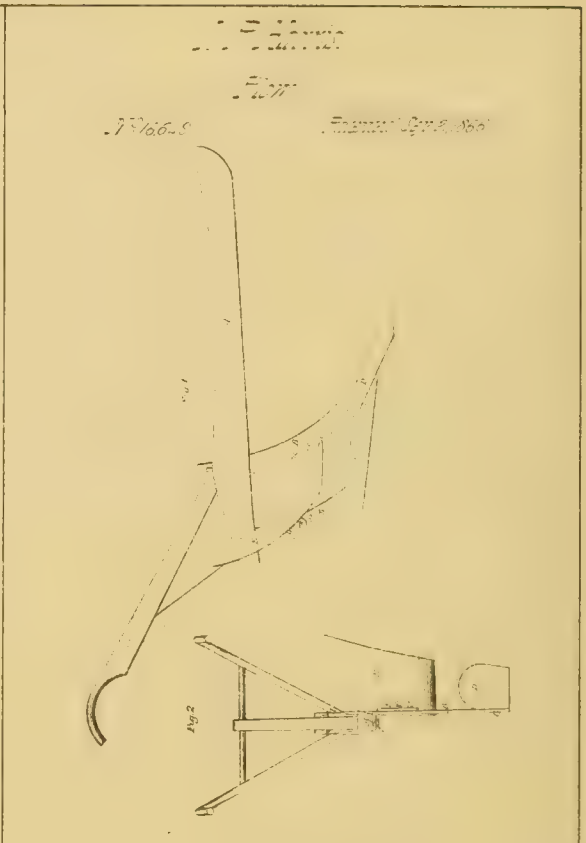
E. T. Parker

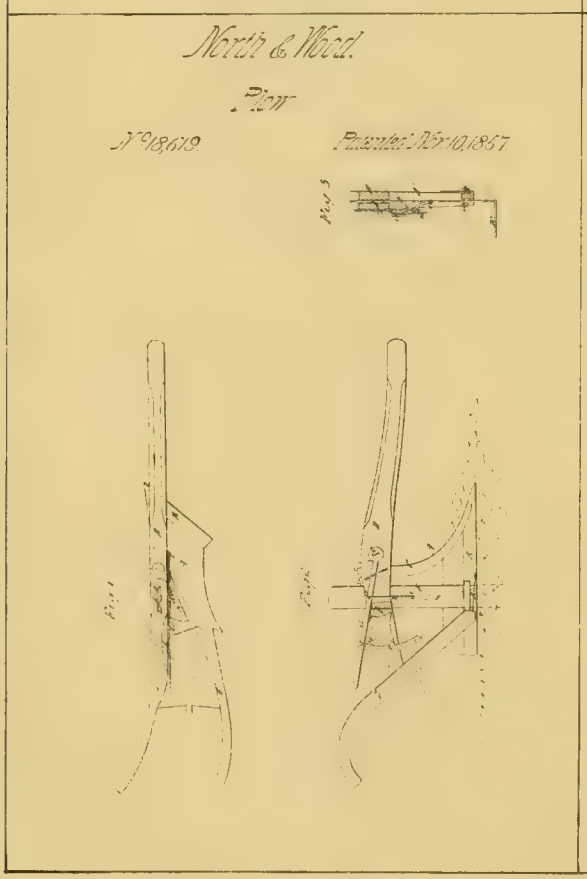
Subsoil Plow.

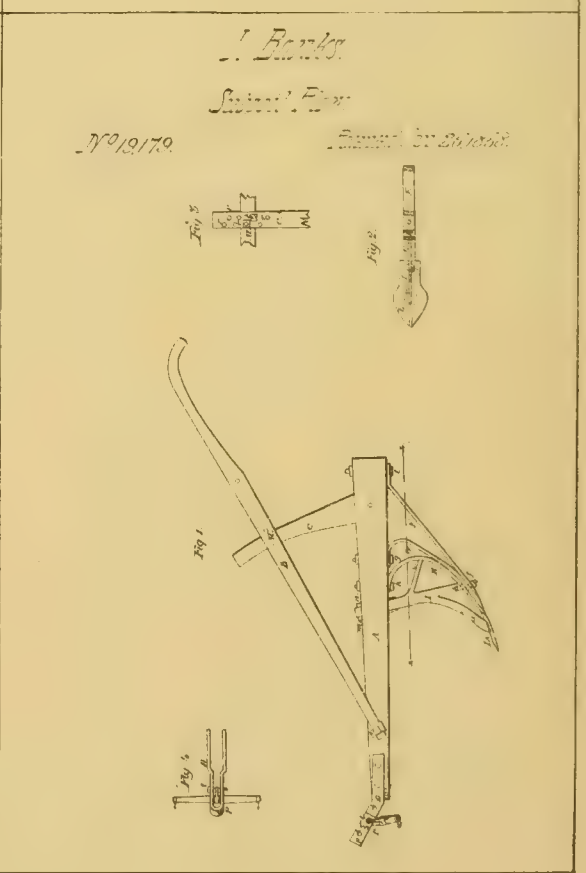
No. 7,910. Patented Jan. 21, 1851.

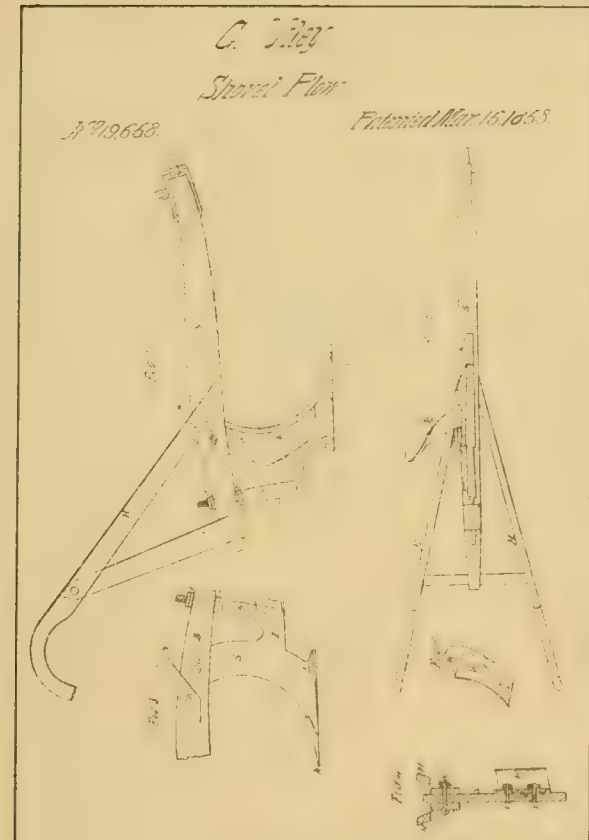


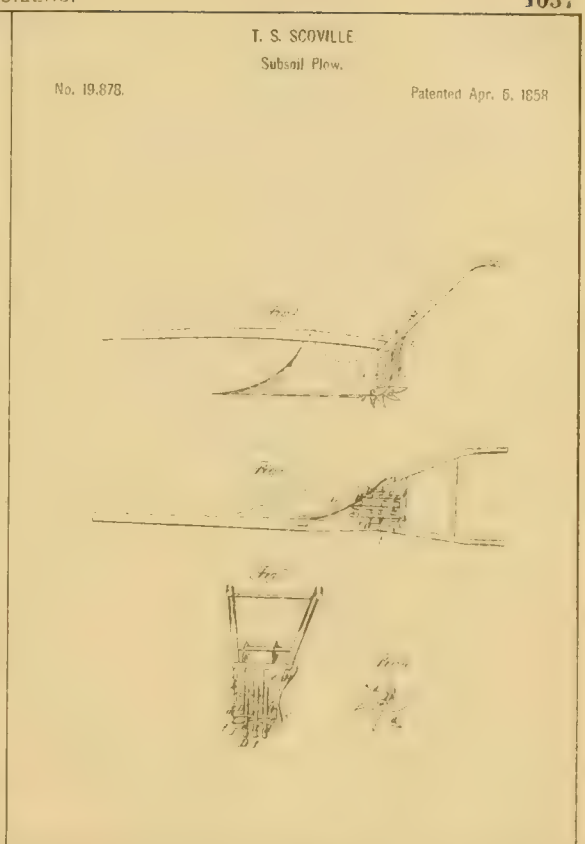

Subsoil Plow
No 14,726.
Fig. 1.
Fig. 2.

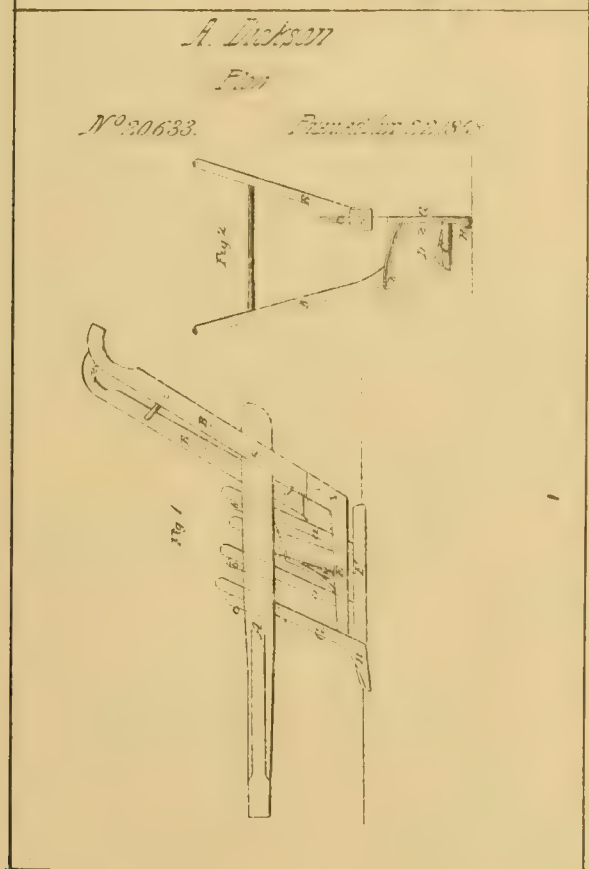

Plow
Fig 1
Fig 2

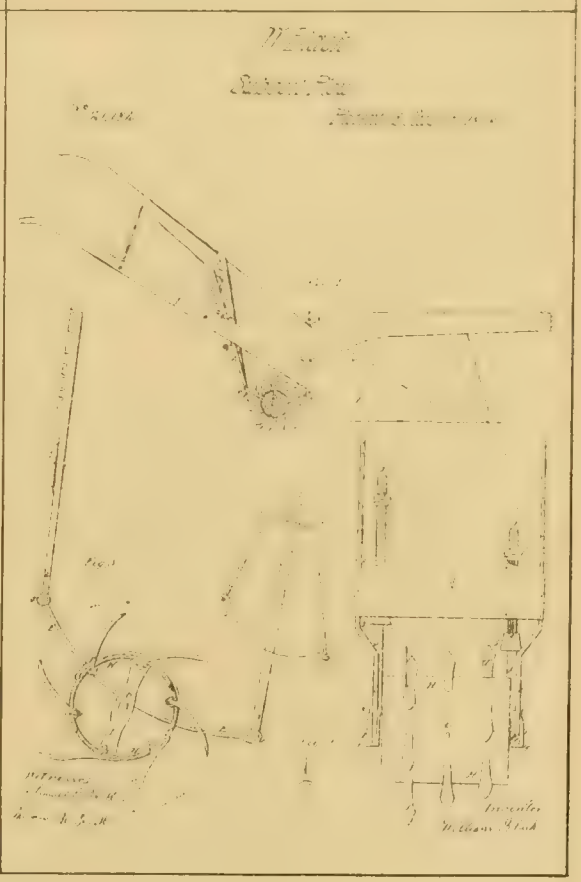

North & Wood.
Plow
No 18,619.
Fig 3
Fig 1
Fig 2


Subsoil Plow
No 12,179.
Fig 3
Fig 2
Fig 1
Fig 4


C. Ney
Shovel Plow
No. 19,688.
Patented Mar. 16, 1858.


T. S. SCOVILLE
Subsoil Plow.
No. 19,878.
Patented Apr. 6, 1858

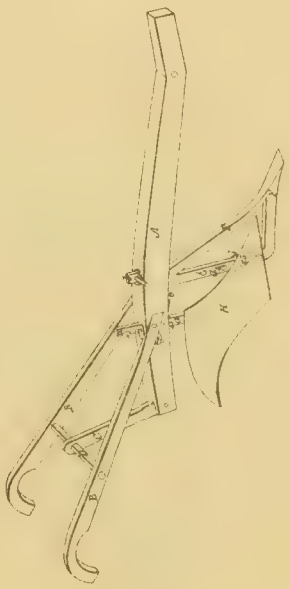

A. Jackson
Plow
No. 20,633.



A. A. McMAHEN

Subsoil-Plow.

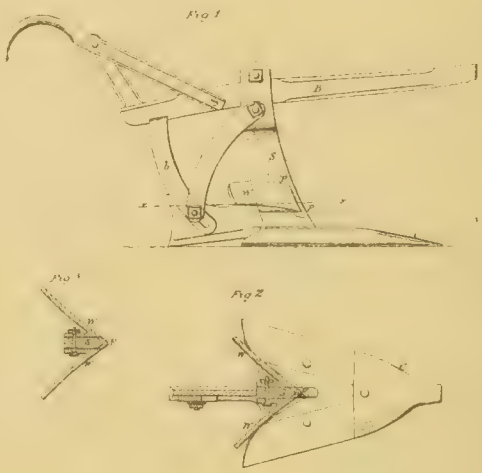
No. 21,976 Patented Nov. 2, 1858



W. B. Williams.

Subsoil Plow.

No. 25,461. Patented Sept. 13, 1859



Witnesses

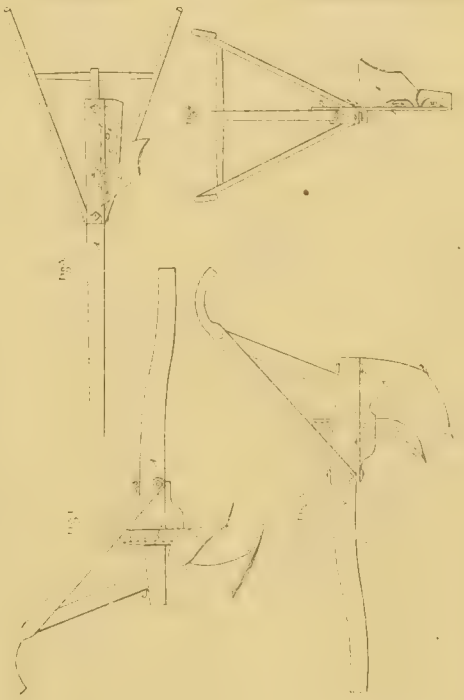
Inventor

W. B. Williams

J. P. Harris.

Subsoil Plow.

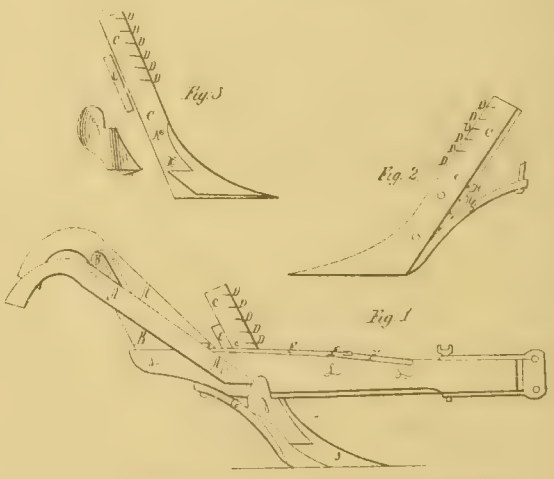
No. 26,153. Patented Nov. 8, 1859.



Davis & Scroggins.

Plow.

No. 27,619. Patented Mar. 27, 1860.



Witnesses.

Inventors.

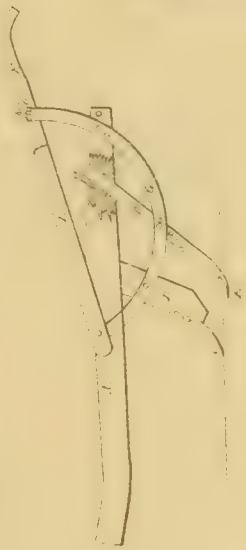
Baldwin Davis

James M. Scroggins

E. Gross.

Subsoil Plow.

No. 27,035. Patented Mar. 27, 1860.



WITNESSES:
E. Eyton
J. Hersch

INVENTOR:
Ezekiel Gross
by A. B. Houghton
Atty.

J. N. Rankin.

Plow.

No. 26,407. Patented Nov. 29, 1860.

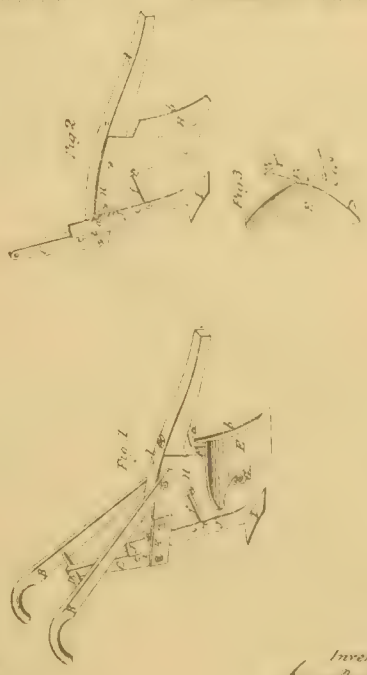
Witnesses.
H. S. Spencer
J. W. Coombs

Inventor:
Jesse N. Rankin
per Munn & Co
Attorneys

J. M. Cobb.

Subsoil Plow.

No. [illegible] Patented Nov. 20, 1860.



Witnesses
E. Eyton
J. Hersch

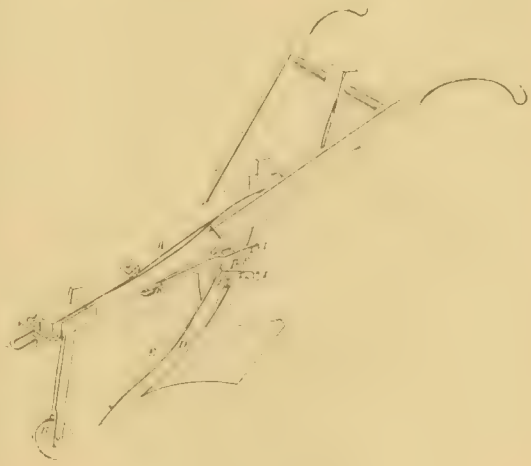
Inventor.
James M. Cobb
per Atty, A. B. Houghton

J. F. Cameron.

Subsoil Plow.

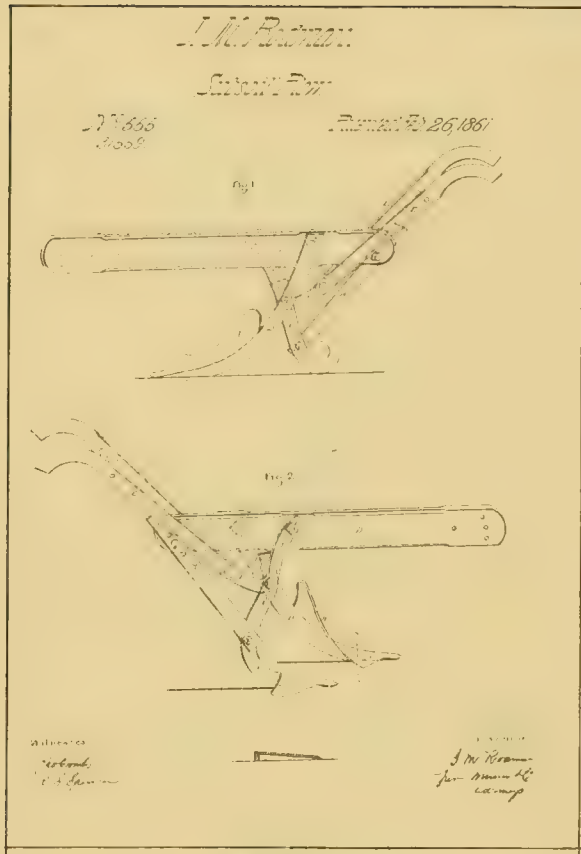
No. [illegible]
[illegible]

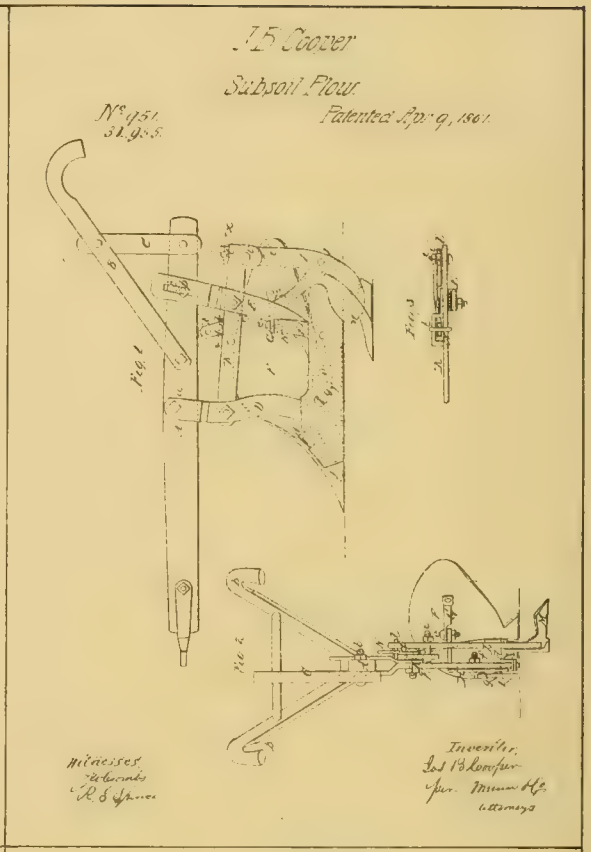
Patented Jan. 15, 1861.

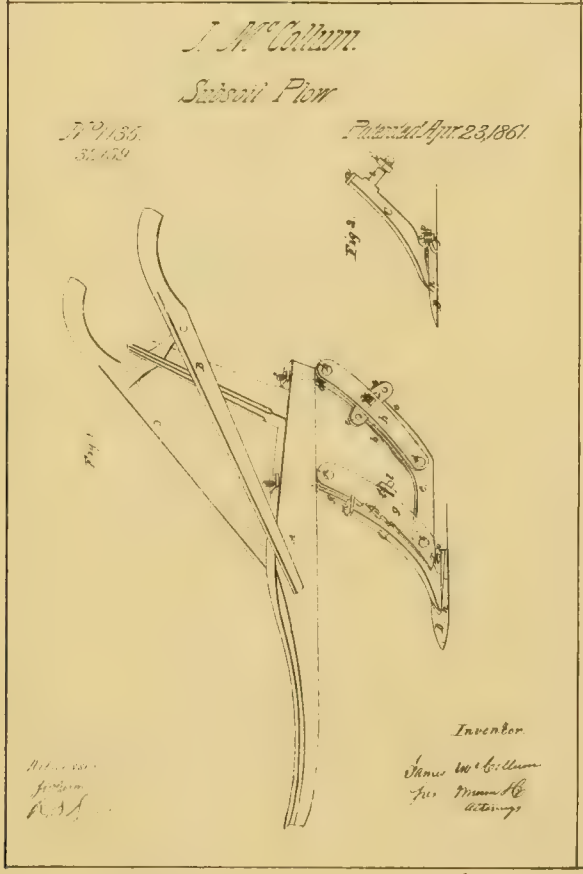


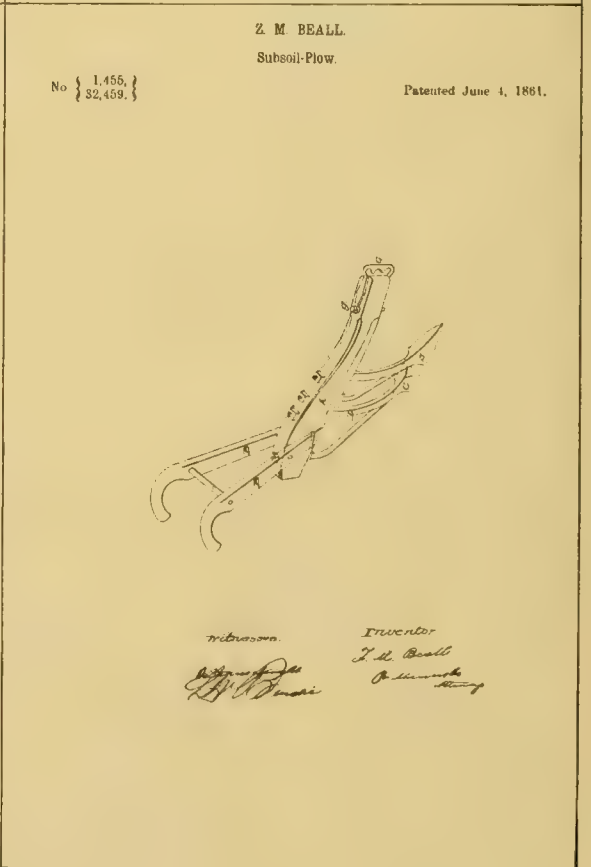
Witnesses
W. E. Samuel
W. Irving Clark

Inventor
Joshua F. Cameron


J. M. Pearson
Subsoil Plow
No. 655
Patented Feb 26, 1861
Fig. 1
Fig. 2


J. P. Cooper
Subsoil Plow.
No. 951
31,955.
Patented Apr. 9, 1861.
Fig. 1
Fig. 2
Fig. 3
Witnesses
Inventor

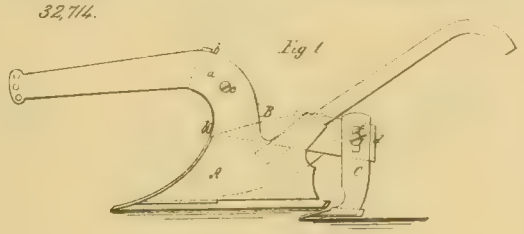

J. McCollum
Subsoil Plow
No. 1,135.
31,459
Patented Apr. 23, 1861.
Fig. 1
Fig. 2
Inventor


Z. M. BEALL.
Subsoil-Plow.
No. 1,455, 32,459.
Patented June 4, 1861.
Witnesses.
Inventor

T. S. & T. W. Raymelye.

Subsoil Plow.

No. 31,710. 32,714. Patented Jul. 2, 1861.



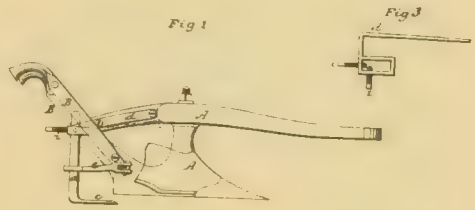
Witnesses,

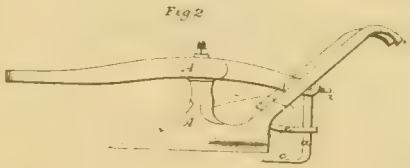
Inventors,

Bannister & Pierce.

Subsoil Plow.

No. 32,127. 33,131. Patented Aug. 27, 1861.





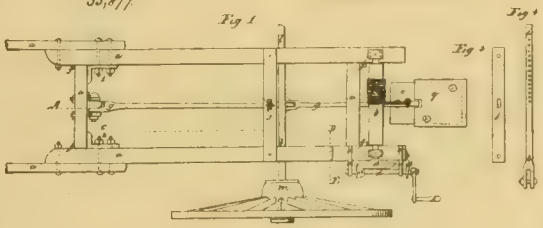
Witnesses

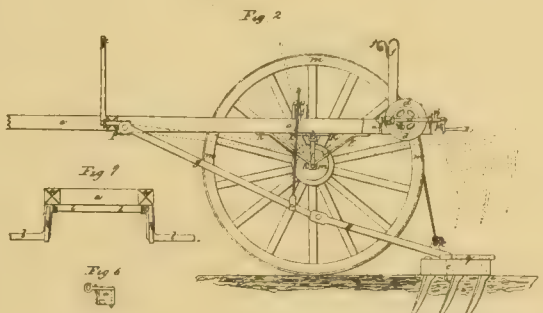
Inventor

L. J. Chateau.

Plow.

No. 32,873 33,877. Patented Dec. 10, 1861.





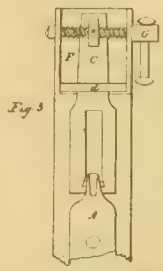
Witnesses,

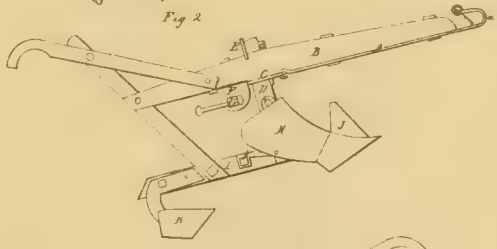
Inventor

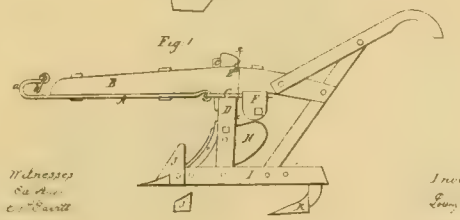
L. Wolf

Subsoil Plow.

No. 36,182. Patented Aug. 5, 1862.







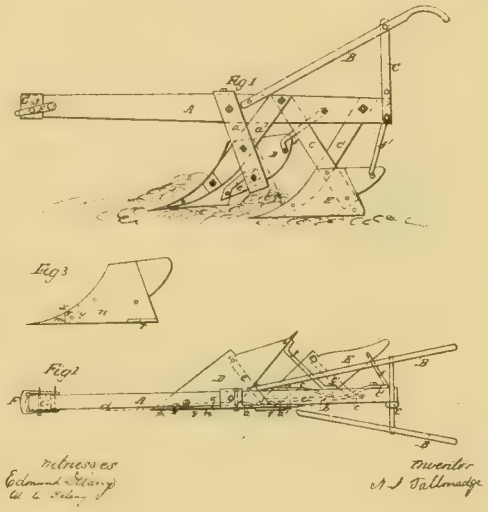
Witnesses

Inventor

N. S. Tallmadge.

Plow

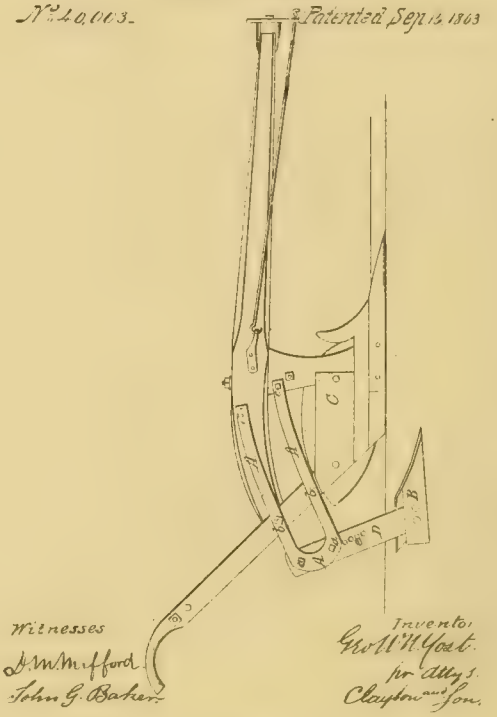
No. 39,761. Patented Sept. 1, 1863.



G. W. N. Yost.

Subsoil Plow.

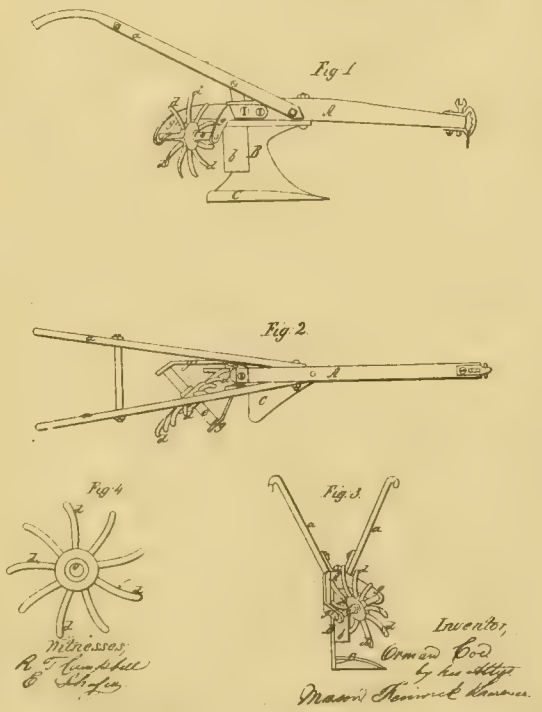
No. 40,003. Patented Sept. 15, 1863



C. Coe.

Subsoil Plow.

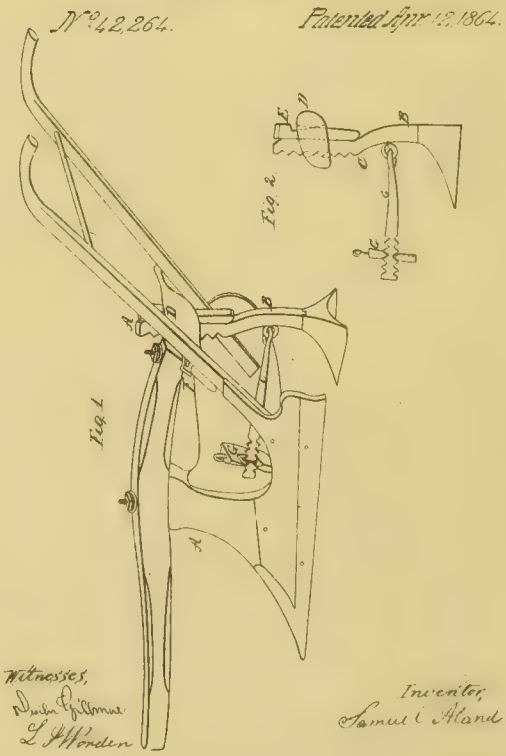
No. 41,603. Patented Feb. 16, 1864.



S. Aland.

Subsoil Plow

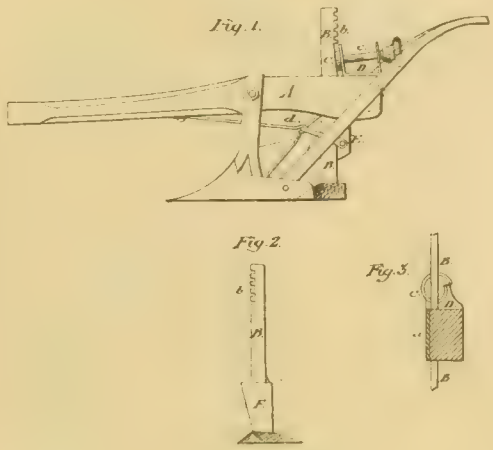
No. 42,264. Patented Apr. 12, 1864.



A. T. Boon.

Subsoil Plow.

No. 53,559. Patented Apr. 3, 1866.



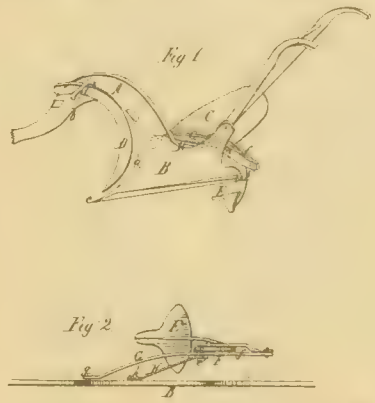
Witnesses:

Inventor:

S. F. Seely.

Subsoil Plow.

No. 53,891. Patented Apr. 10, 1866.



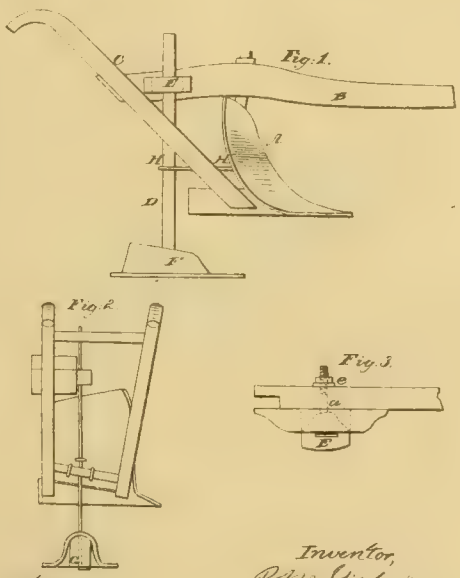
Witnesses,

Inventor,

P. M. GILBERT.

Subsoil-Plow.

No. 60,876. Patented Jan. 1, 1867.



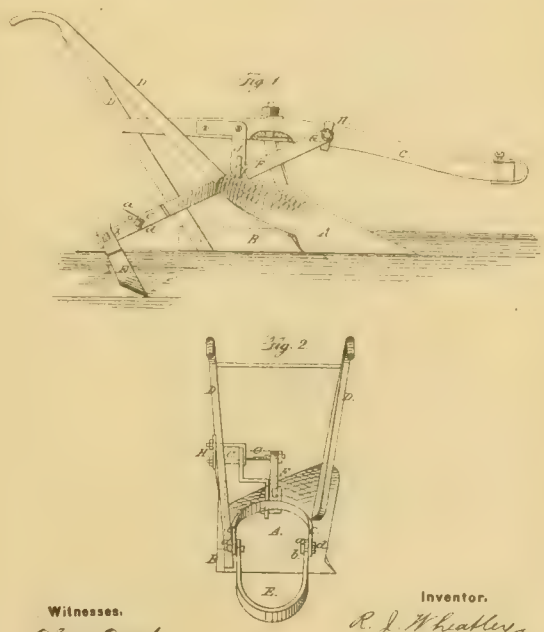
Witnesses,

Inventor,

R. J. WHEATLEY.

Subsoil Plow.

No. 62,243. Patented Feb. 19, 1867.



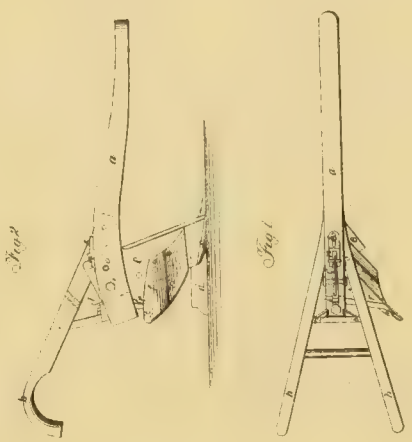
Witnesses.

Inventor.

J. FOWLER.

Plow.

No. 63,151 Patented Mar. 26, 1867.



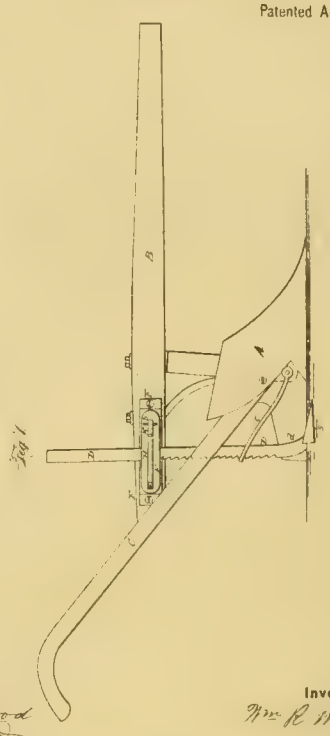
Witnesses:
F. B. Stockbridge
Geo. E. Dunn

Inventor:
Joseph Fowler

W. R. WALPOLE. 2 Sheets—Sheet 1.

Subsoil Plow.

No. 63,586. Patented Apr. 2, 1867.



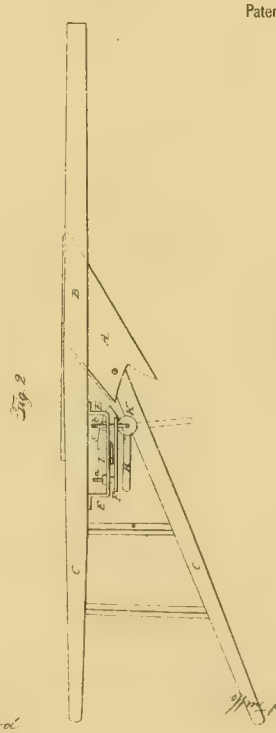
Witnesses:
Wm. G. Wood
J. S. Walker

Inventor:
Wm. R. Walpole

W. R. WALPOLE. 2 Sheets—Sheet 2.

Subsoil Plow.

No. 63,586. Patented Apr. 2. 1867.



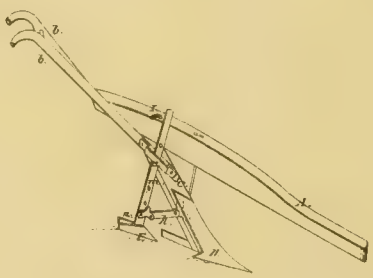
Witnesses:
Wm. G. Wood
J. S. Walker

Inventor:
Wm. R. Walpole

Kirkman & Gray.

Subsoil Plow.

No. 66,031. Patented June 25 1867.



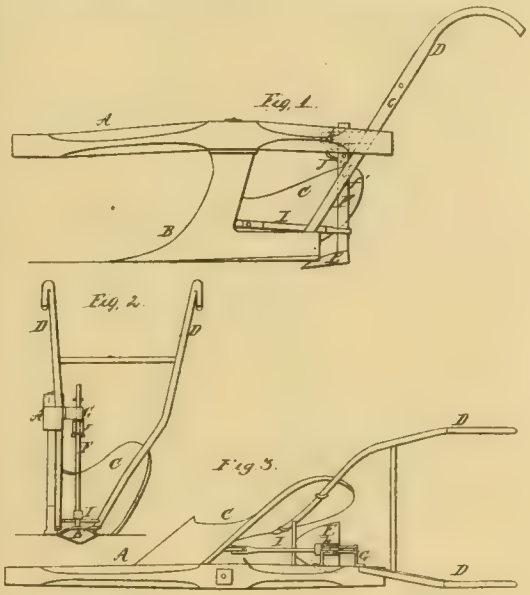
WITNESSES:
F. Schumann
Jno. L. Ellis

INVENTOR:
A. S. Kirkman
Edw. Gray
per
J. H. Alexander & Co.
Attorneys

J. A. Drake.

Subsoil Plow

No. 66,597. Patented Jul. 9, 1867.



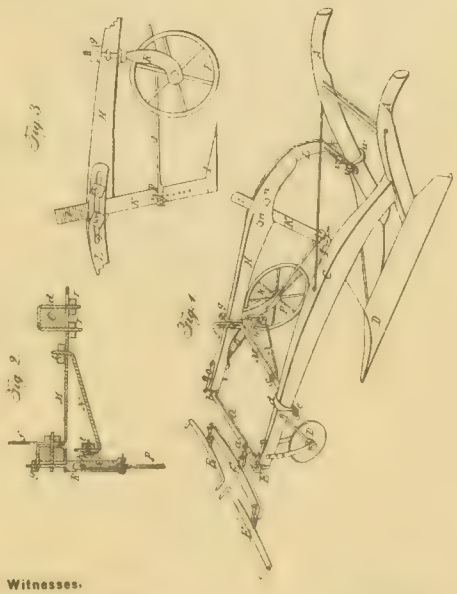
Witnesses.
B. H. Muehle
E. B. Forbush

Inventor.
John A. Drake

M. R. JONES

Subsoil-Plow.

No. 69,099 Patented Sept. 24, 1867



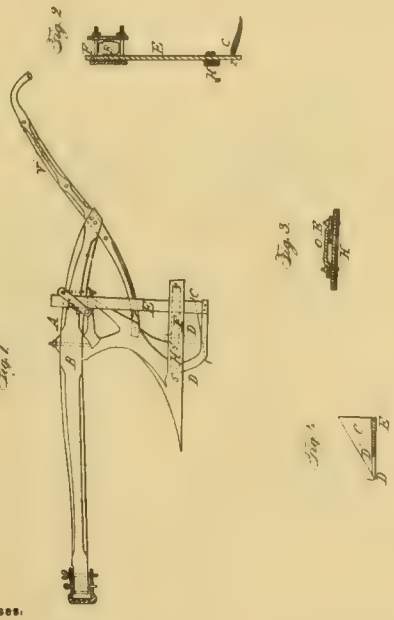
Witnesses.
Stephanus D. Locke
J. M. May

Inventor.
Marquis R. Jones

NICHOLS & CLARK.

Subsoil-Plow.

No. 69,117 Patented Sept. 24, 1867



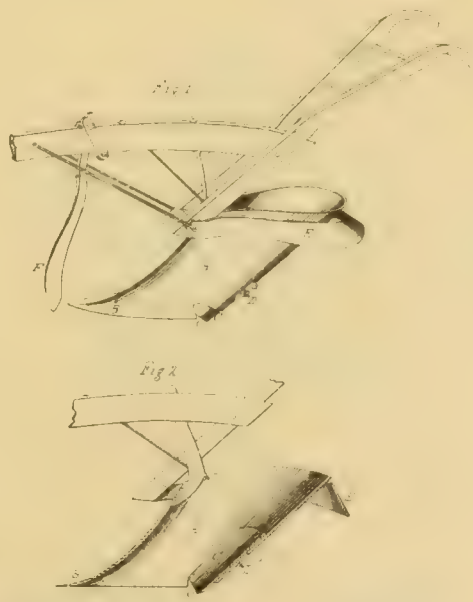
Witnesses.
D. P. Fuller
U. G. Van Horter

Inventor.
William L. Nichols

W. P. Everdon.

Plow.

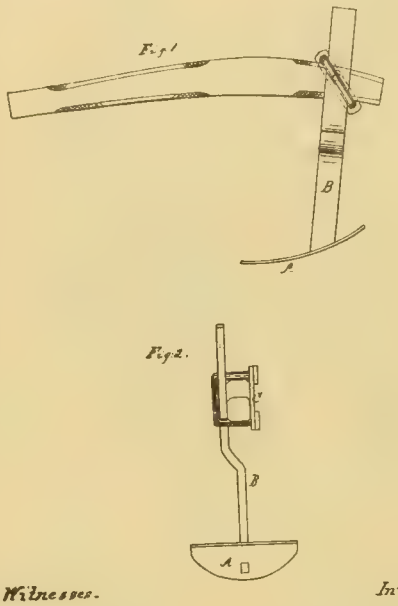
No. 74,327 Patented Feb. 11, 1868.



Witnesses.
Jos. A. Egan
D. McSowen

Inventor
[illegible]

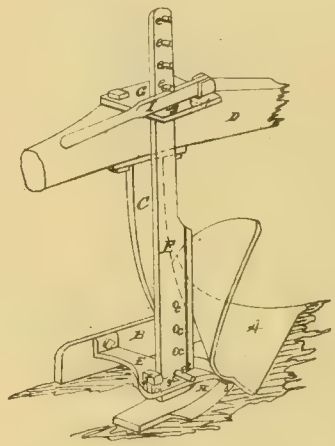
J. Bradley.
Plough.
No. 74,885 Patented Feb. 25, 1868.



Witnesses.
J. L. Smith
A. Leitheyhman

Inventor.
Jeremy Bradley
Chipman Hosmer & Co

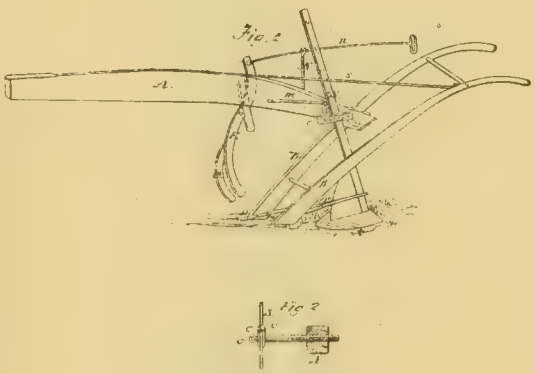
C. Hayden
Subsoil Attachment for Plow.
No. 75,419 Patented Mar. 10, 1868.



WITNESSES.
H. C. Ashcutte
J. Fraser

INVENTOR.
Chas Hayden
per Munn & Co
attorneys

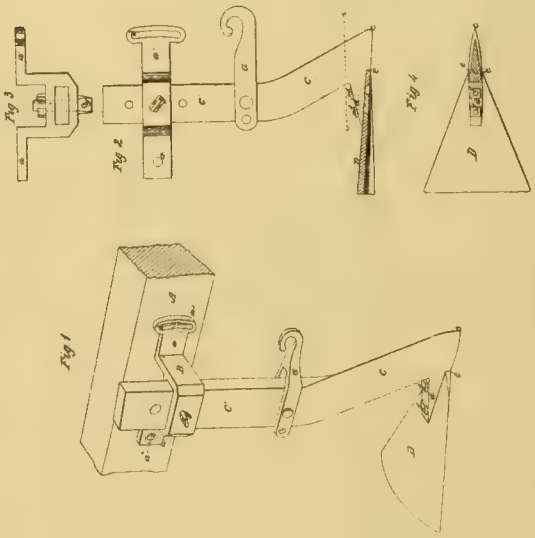
S. D. Tuttle.
Sub-Soil Plow.
No. 76,275 Patented Mar. 31, 1868.



Witnesses
J. W. Meister
J. M. Clark

Inventor.
S. D. Tuttle
per
J. H. Alexander

C. R. Hardman.
Subsoil Plow.
No. 76,627. Patented April 14, 1868.



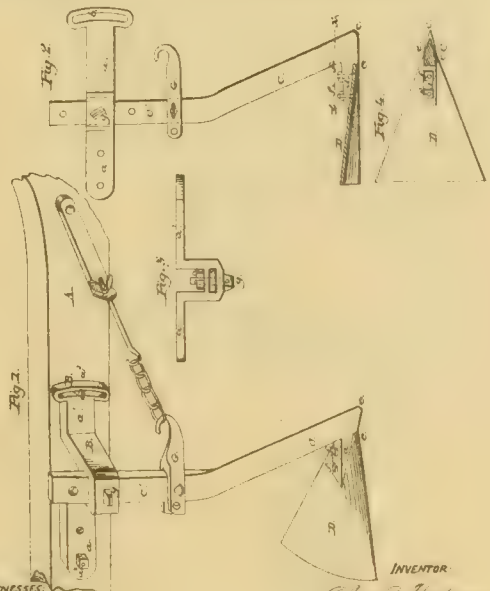
Witnesses:
W. Campbell
Bridge

Inventor
Chas. R. Hardman
by
Munn & Co
Attorneys

C. R. Hartman.

Subsoil Plow.

No. 80,76. Reissued Aug. 11, 1868.



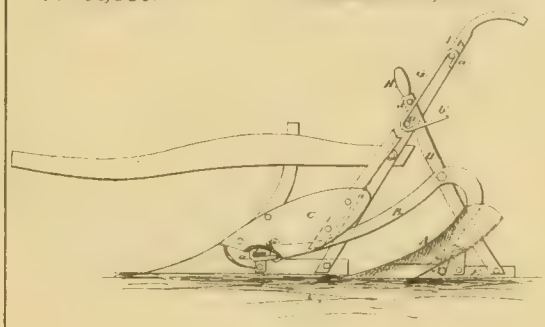
Witnesses:
Wm. A. Morgan
G. B. Bolton

Inventor
Ebert R. Hartman
per Munn & Co
Attorneys

Leonard & Coler.

Subsoil Plow.

No. 80,366. Patented Jul. 28, 1868.



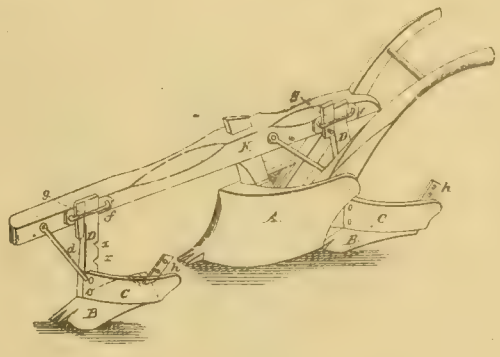
Witnesses:
Wm. A. Morgan
G. B. Bolton

Inventor
J. C. Leonard
J. J. Coler
per Munn & Co

J. FISHER.

Subsoil Plow.

No. 80,715. Patented Aug. 4, 1868.



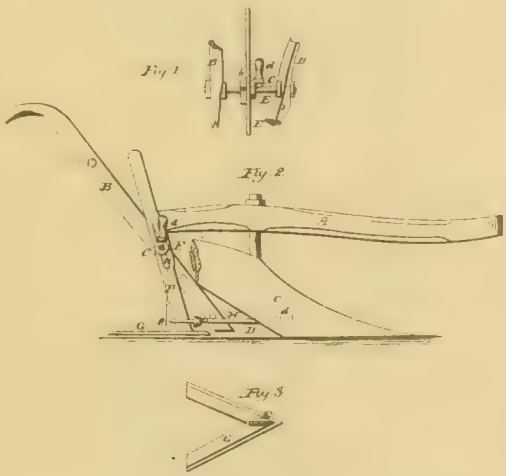
Witnesses
P. D. Stockbridge
A. N. Marr

Inventor
John Fisher
per
Albert E. Mason
Attorney

M. BERDAN.

Subsoil Plow.

No. 83,030. Patented Oct. 13, 1868.



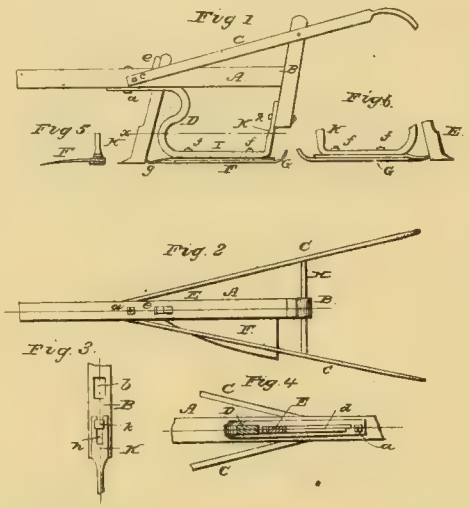
Witnesses.
Wm. A. Morgan
G. B. Bolton

Inventor
M. Berdan
per
Munn & Co
Attys

J. CUSTER.

Subsoil Plow.

No. 83,472. Patented Oct. 27, 1868.



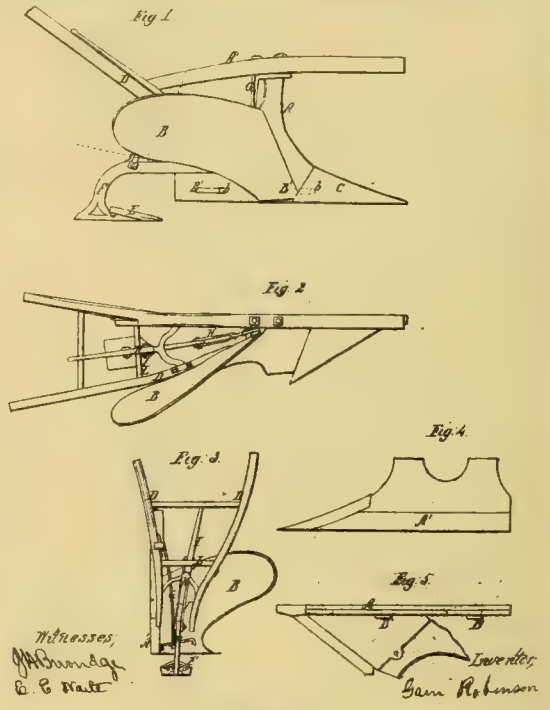
Witnesses
David Hammond
Edw. Seibert

Inventor.
John Custer
by J. Stabler Atty

G. Robinson.

Plow

No 87,594. Patented Mar. 9, 1869.



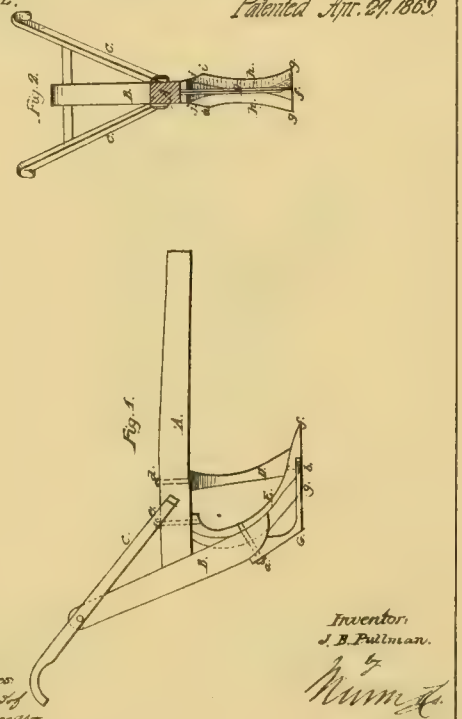
Witnesses,
J. A. Dunlap
C. C. Waite

Inventor,
Sam Robinson

J. B. Pullman,

Sub Soil Plow.

No. 89,132. Patented Apr. 27, 1869.



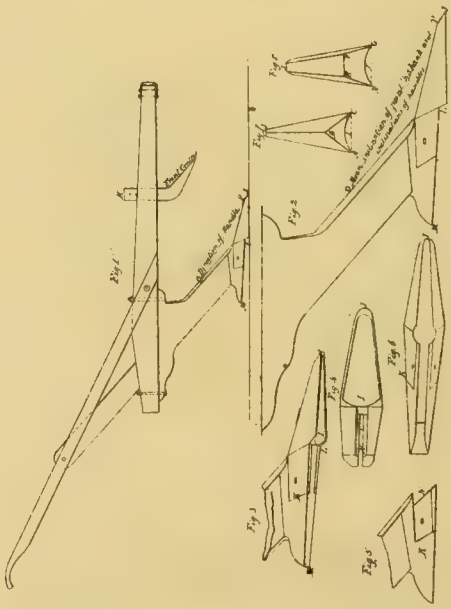
Witnesses
H. Hammond Jr.
Wm. A. Morgan

Inventor,
J. B. Pullman.
by Munn & Co.
Attys

J. W. Murjee.

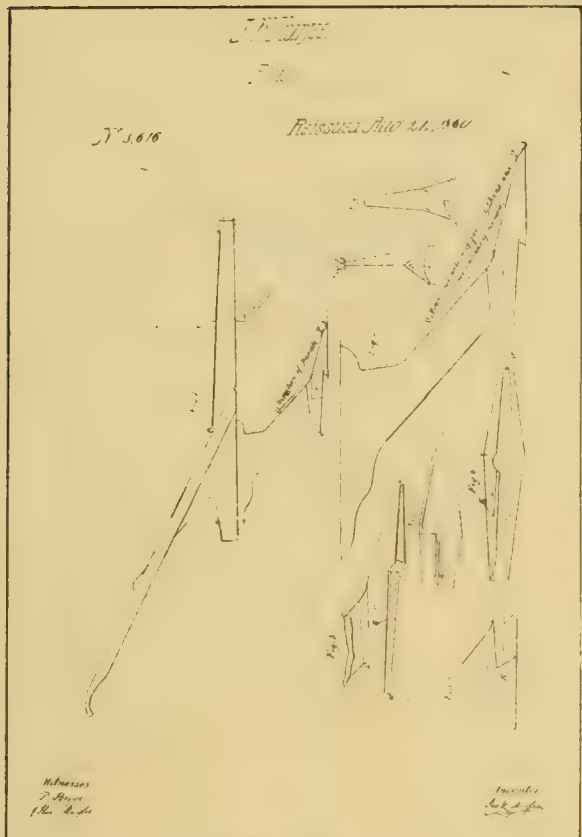
Plow.

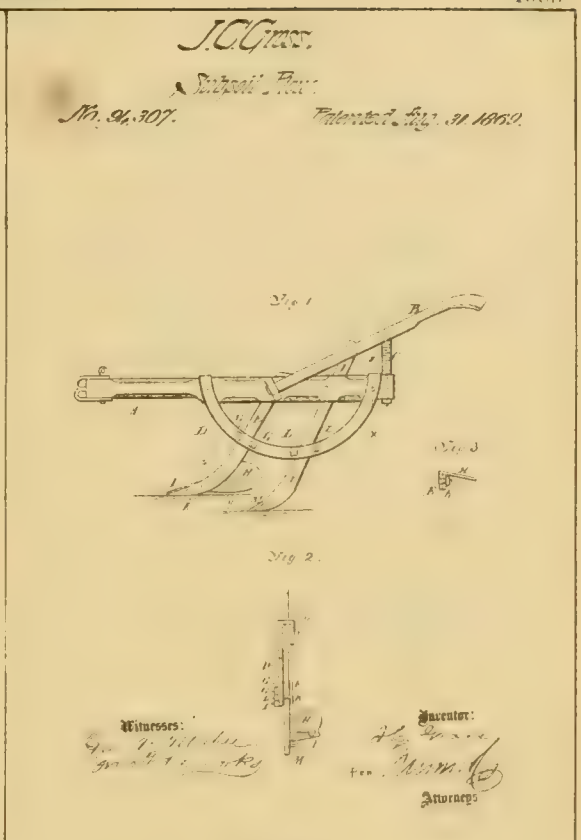
No 91,657. Patented Jun 22, 1869.



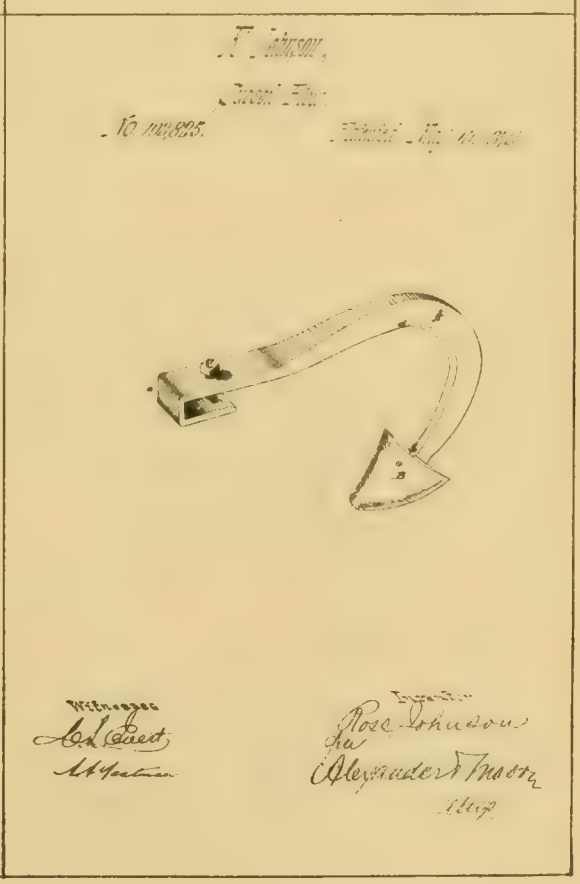
Witnesses
D. Hayes
J. Rhodes

Inventor
J. W. Murjee


No 5,616
Reissued Aug 21. 1860

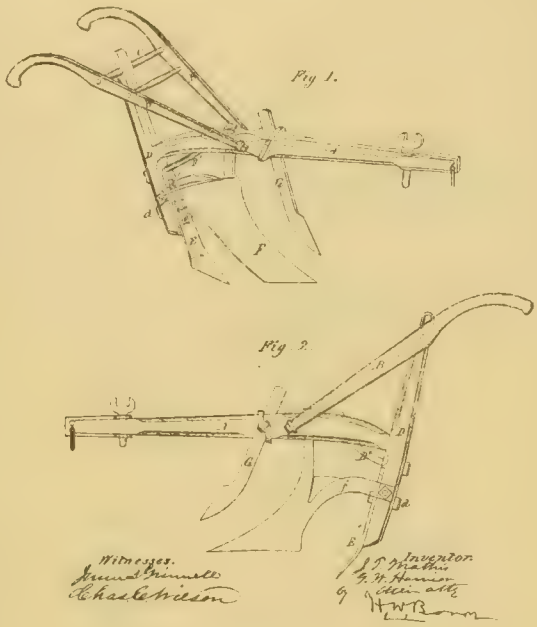

J. C. Greer.
Subsoil Plow.
No. 94,307.
Patented Aug. 31 1869.
Fig. 1
Fig. 2.
Fig. 3
Witnesses:
Inventor:
Per
Attorneys

T. T. Mottax,
Subsoil Plow.
No 100,980.
Patented Mar. 15. 1870
Witnesses:
Inventors
Per
Attorneys


T. Johnson,
Subsoil Plow.
No 102,825.
Witnesses
Inventor
Per
Attorney

Mathias & Harrison.

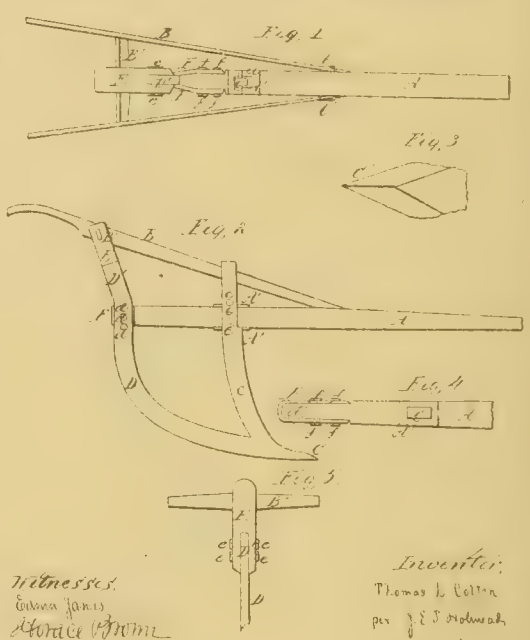
No. 105,103. Patented July 5, 1870.



T. L. Colton.

Subsoil Plow.

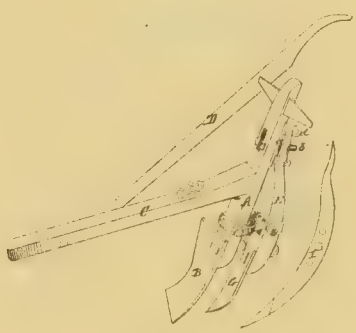
No. 105,551. Patented Jul. 19, 1870.



E. N. Query,

Subsoil Plow.

No. 105,844. Patented July 26, 1870.

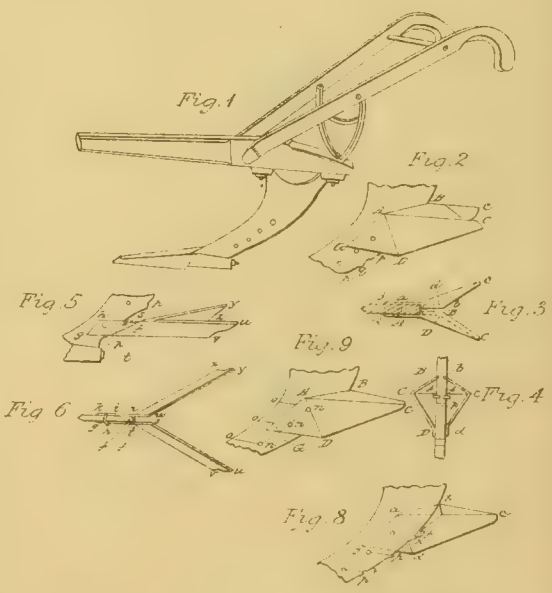


Witnesses
Inventor
Elam M. Query,
Alexander Duncan
Atty.

J. W. MURFEE.

Subsoil Plow.

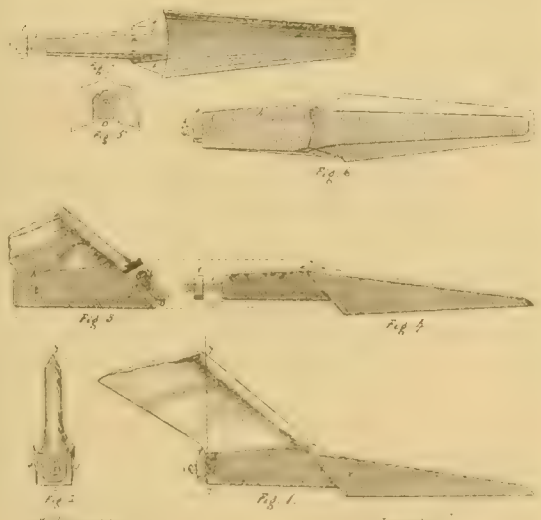
No. 106,192. Patented Aug. 9, 1870.



J. W. MURFEE.

Subsoil Plow.

No. 106,193. Patented Aug. 9, 1870.



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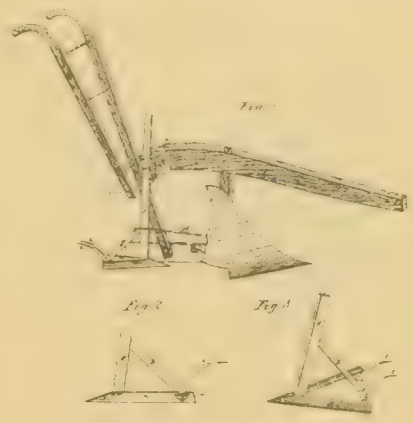
No. 108,002. Patented Oct. 4, 1870.



Witnesses:

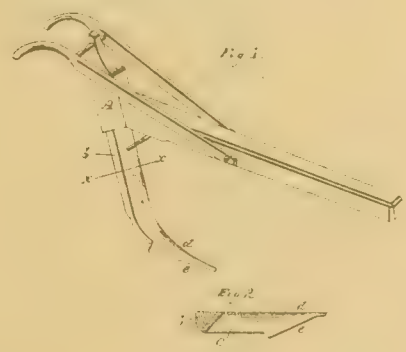
Inventor:

Attorneys.

L. V. B. MARTIN.

Subsoil Plow.

No. 108,164. Patented Oct. 11, 1870.



Witnesses

L. V. B. Martin Inventor

L. CARLETON.

Subsoil Plow.

No. 108,329. Patented Oct. 18, 1870

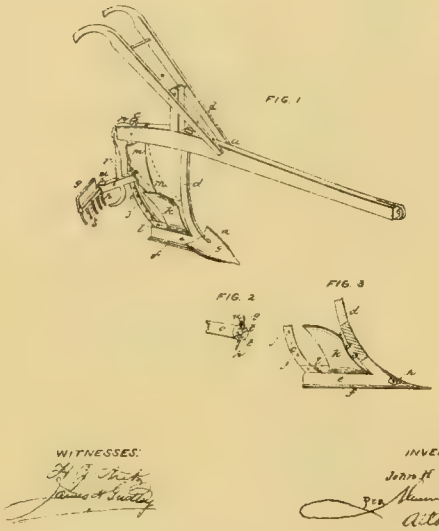
WITNESSES:

INVENTOR:

J. H. JOHNSON.

Subsoil Plow.

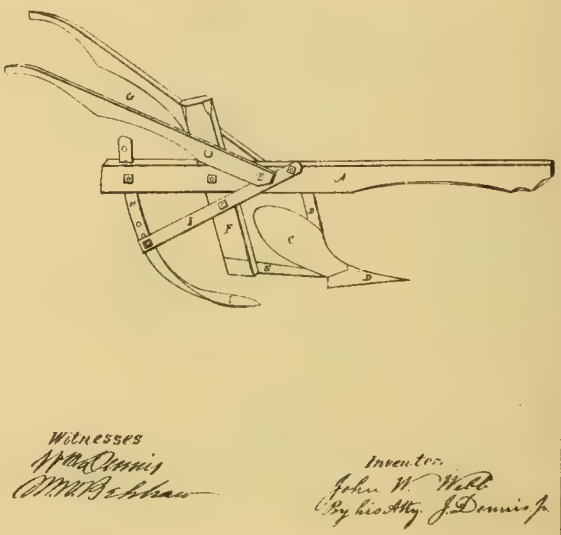
No. 108,485. Patented Oct. 18, 1870.



J. W. Webb,

Subsoil Plow.

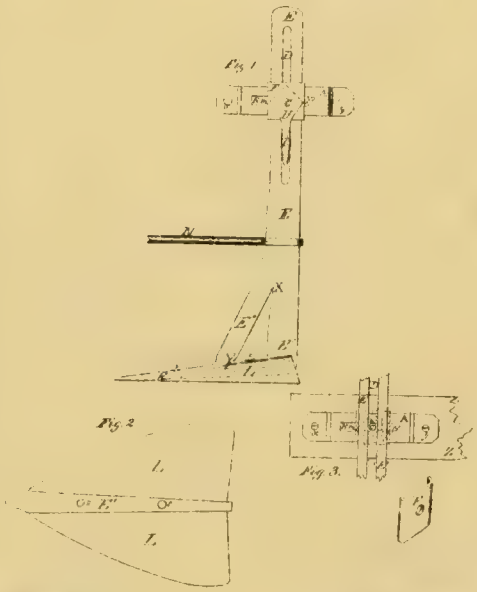
No. 108,860. Patented Nov. 1, 1870.



A. F. Roberts.

Sub Soil Plow

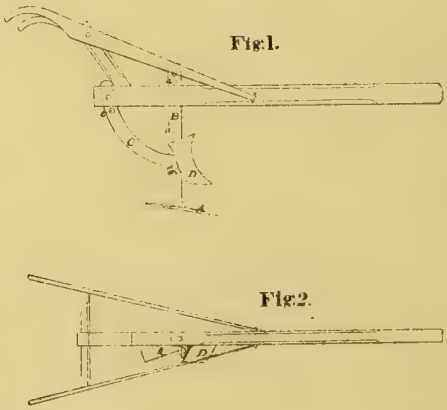
No. 108,939. Patented. Nov. 1 1870.



T. S. Crockett.

Plow.

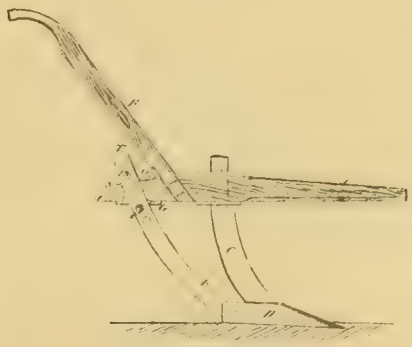
No. 108,975. Patented Nov. 8. 1870.



T. G. Miller.

Subsoil Plow.

No. 110,545. Patented Dec. 27, 1870.



Witnesses:

Inventor:

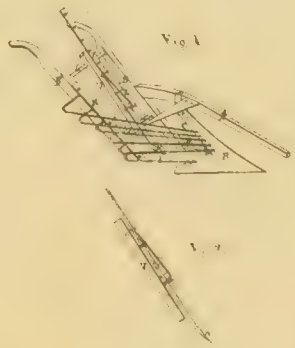
N. G. Miller

per Munn & Co.

J. Clifton.

Subsoil Plow.

No. 110,550. Patented Dec. 27, 1870.



Witnesses:

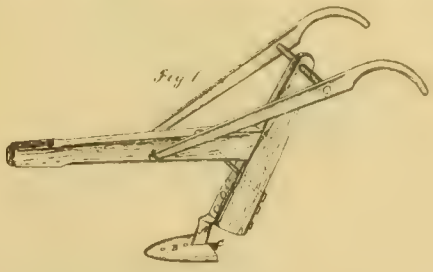
Inventor.

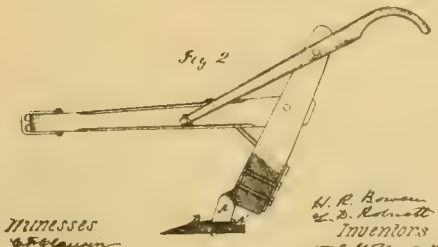
Joshua Clifton

Howen & Kelsall.

Plow.

No. 111,053. Patented Jan. 17, 1871.





Witnesses

H. R. Howen

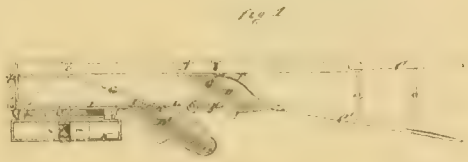
E. B. Kelsall

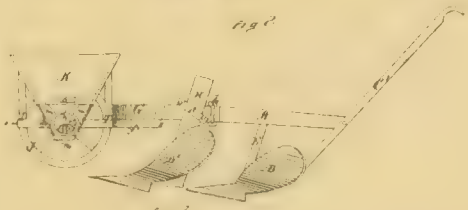
Inventors

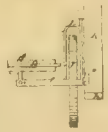
J. L. Bond.

Sub-soil Plow.

No. 111,058. Patented Jan. 24, 1871.







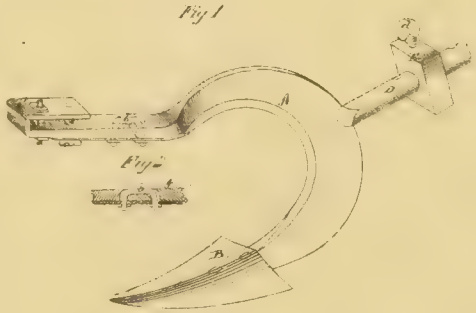
Witnesses

Inventor

Joel L. Bond

T. Johnson
R. Johnson
Subsoiler.
No. 111,852. Patented Feb. 14, 1871.

Fig 1



Witnesses.
C. L. Evert.
J. J. Dutchman

Inventor.
Rose Johnson
per
Hands Thesen
Attys

T. H. REYNOLDS.
Improvement in Plows.
No. 114,855. Patented May 16, 1871.

Fig 1

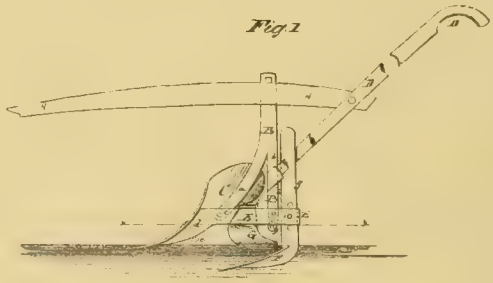
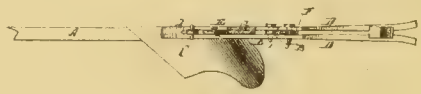


Fig. 2.



Witnesses:
John Greeke
D. S. Mabee

Inventor:
T. H. Reynolds
per
Munn & Co
Attorneys.

ROBERT THEMAR & BRAND BROTHERS.
Improvement in Sub-Soil Plows.
No 115,543 Patented May 30, 1871.

Fig 1.

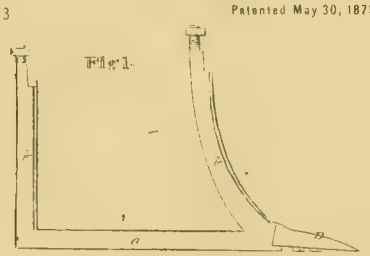


Fig 2.

Fig 3.

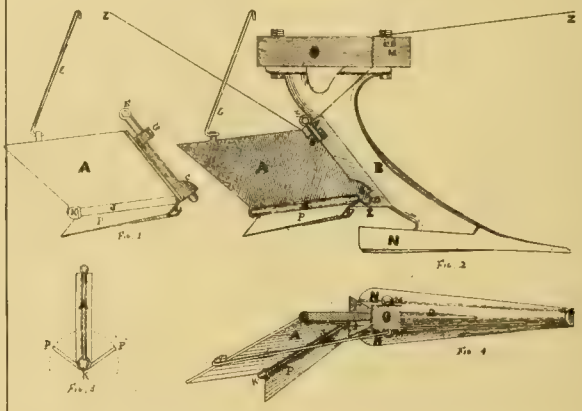
Fig 4.

Fig 5.

Witnesses
Chas. Hayes
Geo. Mau

Inventor
Robert Themar
Brand Brothers
Chapman Hosmer & C.
Attorneys

JAMES G. MINER.
Improvement in Plows.
No. 115,629. Patented June 6 1871.



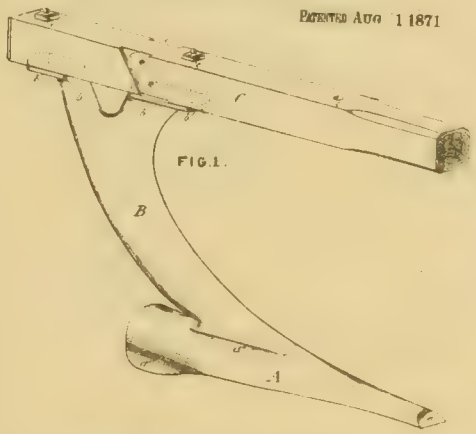
WITNESSES
Jas H. Sweeny
Robt. C. Collins

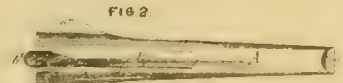
INVENTOR
J. G. Miner

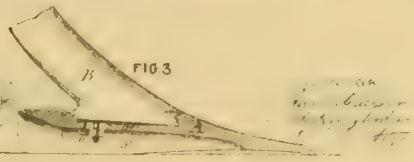
JAMES G. MINER.

117662 SUBSOIL & DRAIN PLOW.

PATENTED AUG 1 1871

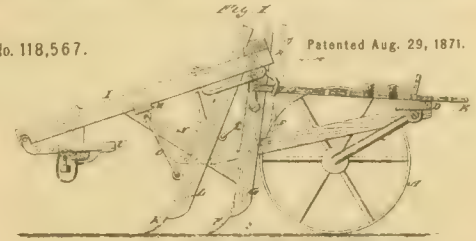


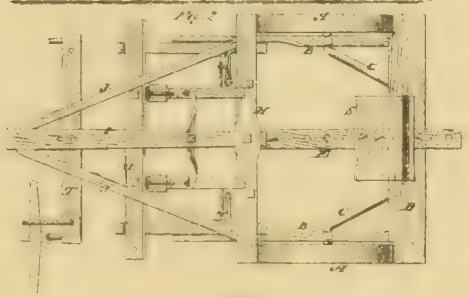


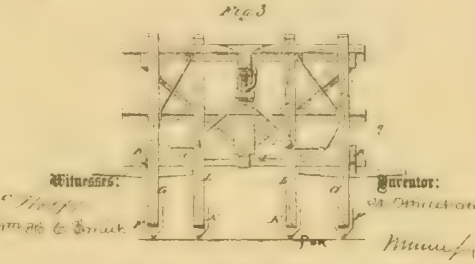


N. Whitehall. Combined Cultivator & Planter.

No. 118,567. Patented Aug. 29, 1871.



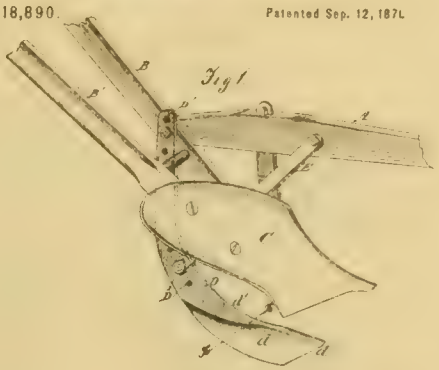




Witnesses: Inventor:

A. H. WHITTICK
SUBSOIL PLOW.

No. 118,890. Patented Sep. 12, 1871.

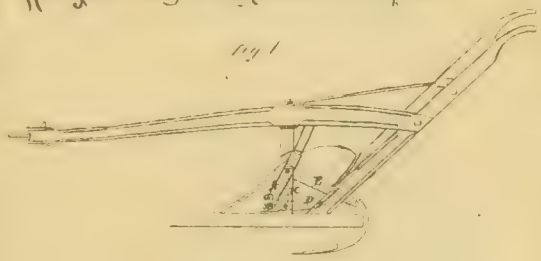


Witnesses
A. Rapport
J. W. Walter

A. H. Whittick
Inventor
by
S. T. Holloway
his Atty.

No. 118,945. Patented Sep. 12, 1871.

Ross Johnson Subsoil Attachment for Plows



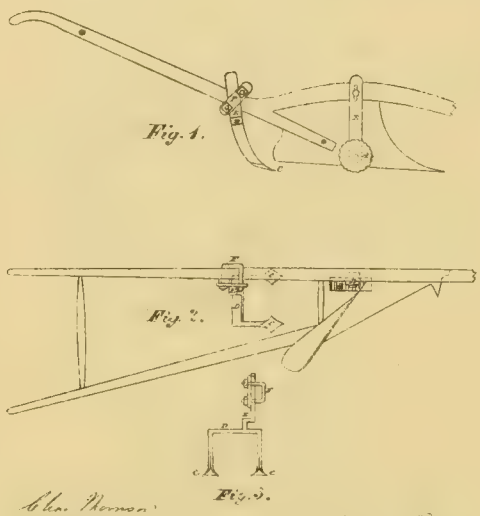
Witnesses.
C. L. Emerich
Jas O. Lidstrom

Inventor.
Ross Johnson
per
Wm. A. Simonds
Atty.

DANIEL M. LAMB.

Improvement in Plows.

No. 122,261. Patented Dec. 26, 1871

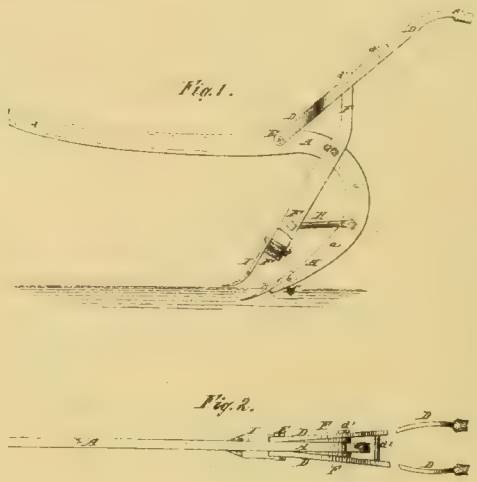


Witnesses: Inventor.

WILLIAM B. BRADFORD.

Improvement in Plows.

No. 125,930. Patented April 23, 1872.



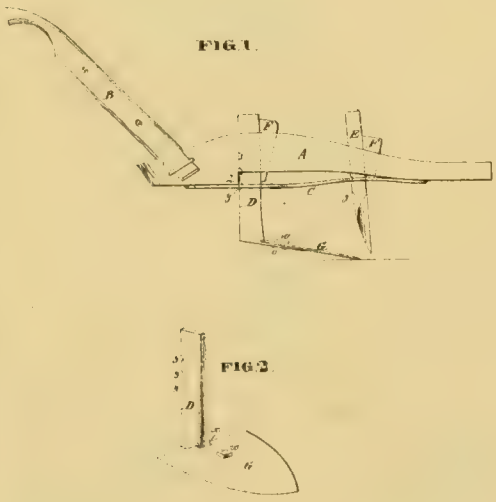
Witnesses: Inventor: W. B. Bradford

Per Attorneys.

T. NABERS.

Improvement in Plows.

No. 126,077. Patented April 23, 1872.

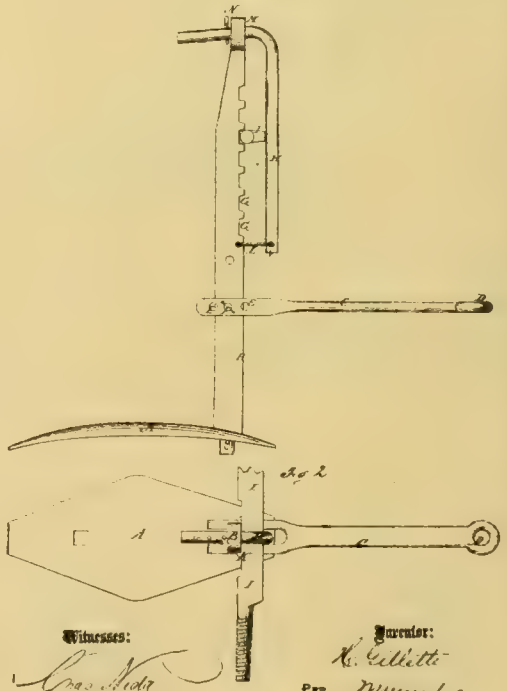


Witnesses: INVENTOR.

H. GILLETTE.

Improvement in Plows.

No. 127,475. Patented June 4, 1872.



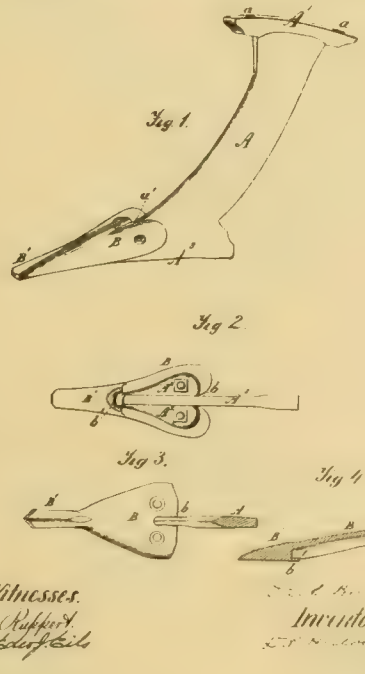
Witnesses: Inventor: H. Gillette

Per Attorneys.

T. E. C. BRINLY.

Improvement in Subsoil-Plows.

No. 131,391. Patented Sep. 17, 1872



W. H. SMILEY

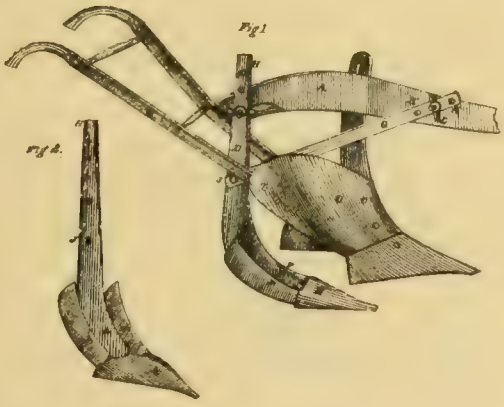
Improvement in Subsoil Attachment for Plows.

No. 131,636. Patented Sep. 24, 1872.

D. M. ALLEN.

Improvement in Plows.

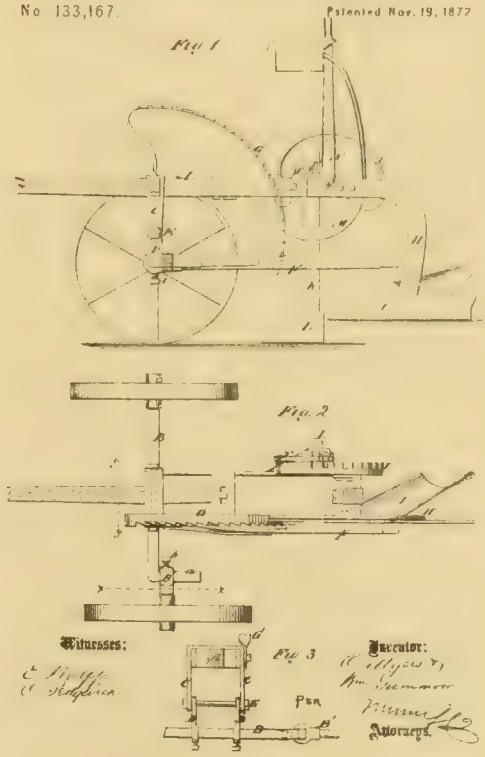
No 132,707. Patented Nov. 5, 1872.



C. MYERS & W GUMMOW

Improvement in Sub-Soil Plows.

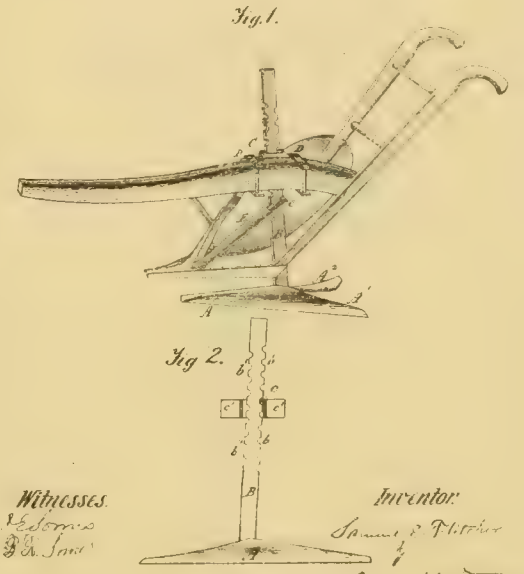
No. 133,167. Patented Nov. 19, 1872



S. E. FLETCHER.

Improvement in Sub-Soil Plows.

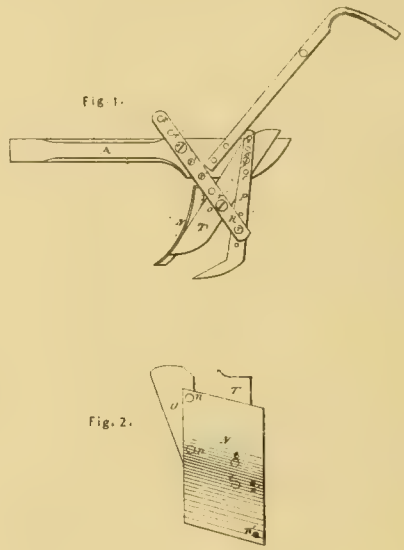
No. 133,216. Patented Nov. 19, 1872.



F. REESE.

Plows.

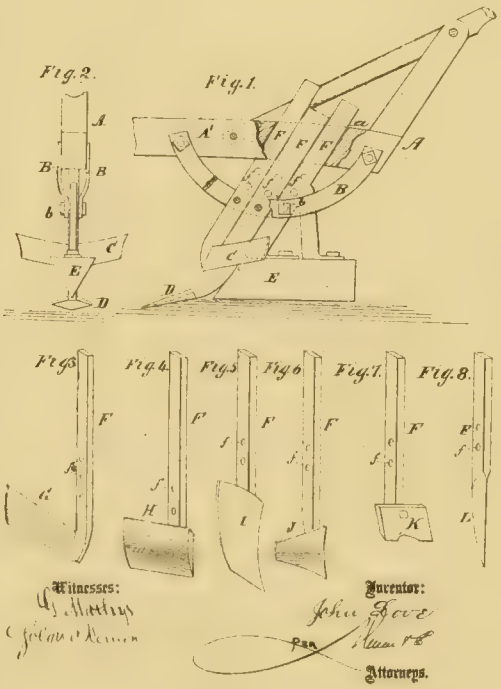
No. 133,722. Patented Dec. 10, 1872.



J. LOVE.

Plows.

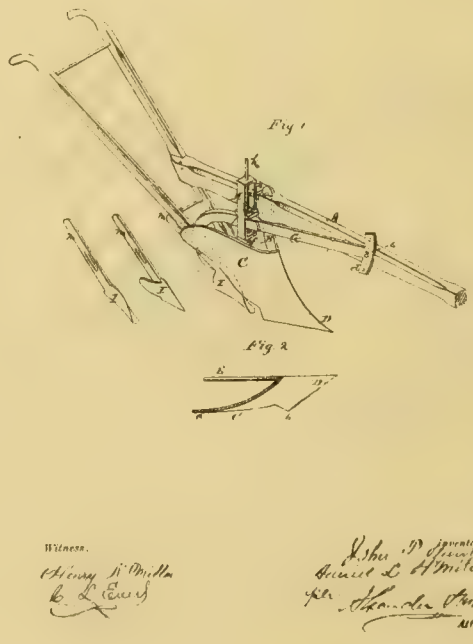
No. 135,829. Patented Feb. 11, 1873.



J. T. HUNTER & D. L. H. MITCHELL

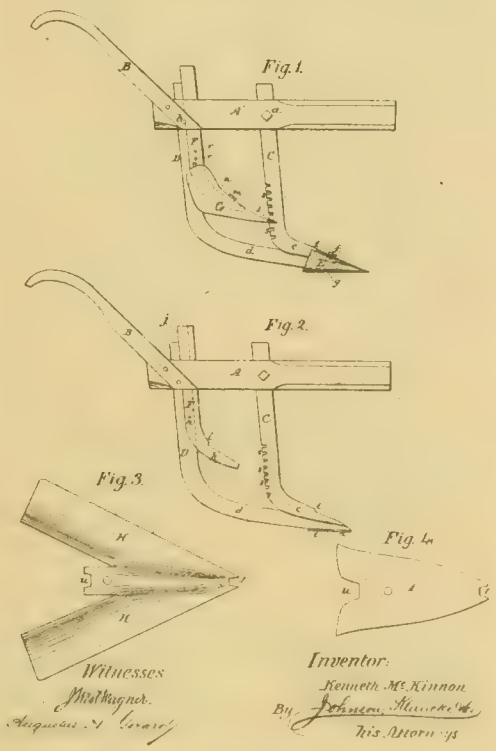
Plows

No. 136,245. Patented Feb. 25. 1873.



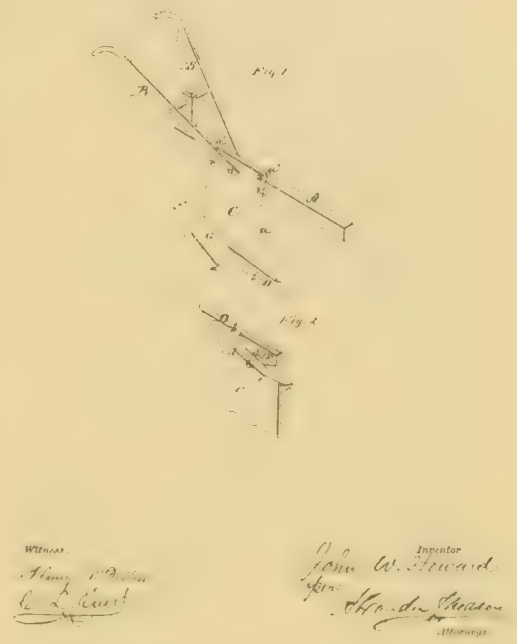
K. McKINNON.
Cultivators.

No. 136,254. Patented Feb. 25, 1873.



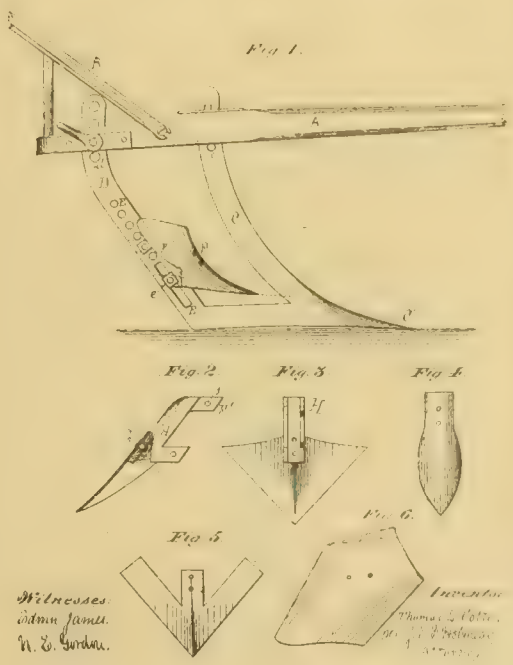
J. W. HOWARD.
Subsoil Plows.

No. 136,726. Patented March 11, 1873.



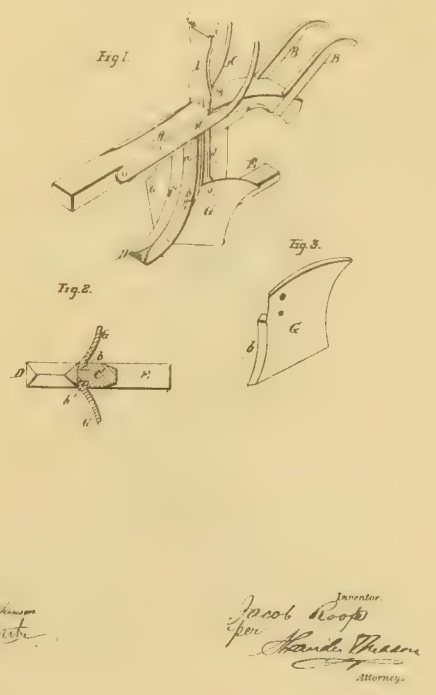
T. L. COTTEN
Plows.

No. 137,894. Patented April 15, 1873.



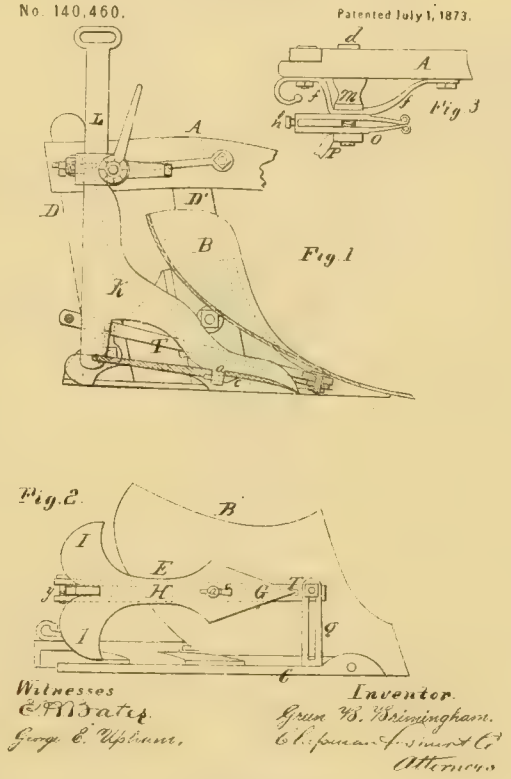
J. ROOP.
Plows.

No. 138,197. Patented April 22, 1873.



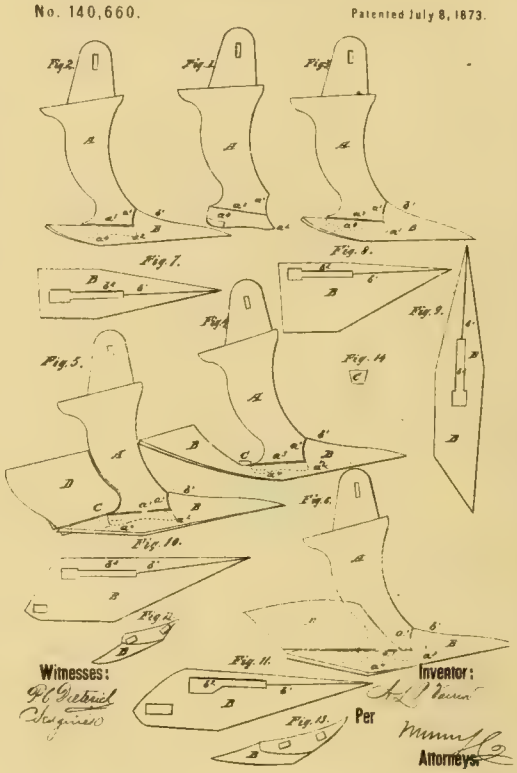
G. B. BRIMINGHAM.
Sub-Soil Plows.

No. 140,460. Patented July 1, 1873.



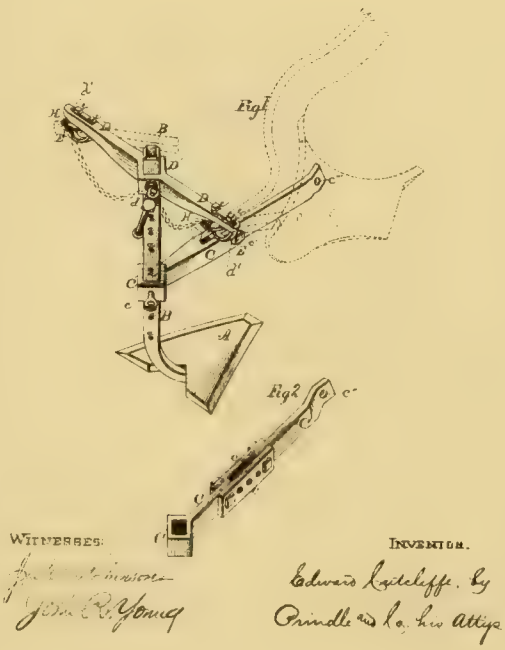
A. L. P. VAIRIN.
Sub-soil Plows.

No. 140,660. Patented July 8, 1873.



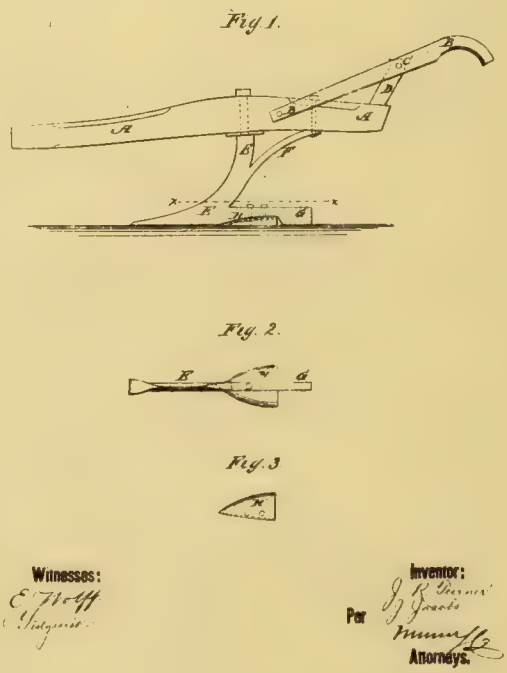
E. CUTCLIFFE.
Subsoil Attachments for Plows.

No. 143,335. Patented September 30, 1873.



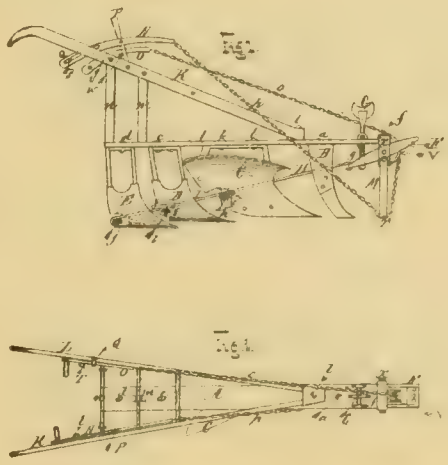
J. R. TURNER & J. JACOBS.
Subsoil Plows.

No. 144,487. Patented Nov. 11, 1873.



E. BOURNE.
Plows.

No. 144,653. Patented Nov. 18, 1873.

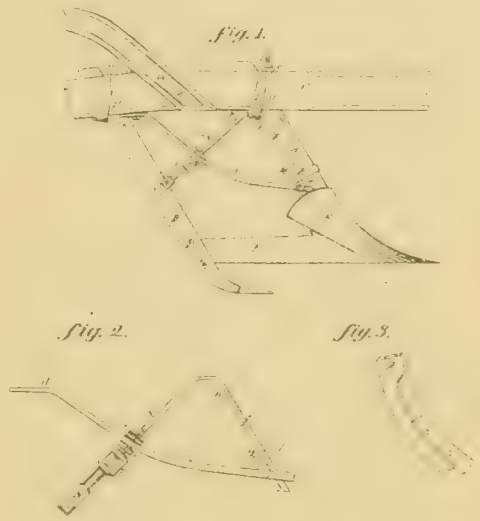


Witnesses.

Inventor

K. McKINNON.
Cultivator-Plows.

No. 145,222. Patented Dec. 2, 1873.

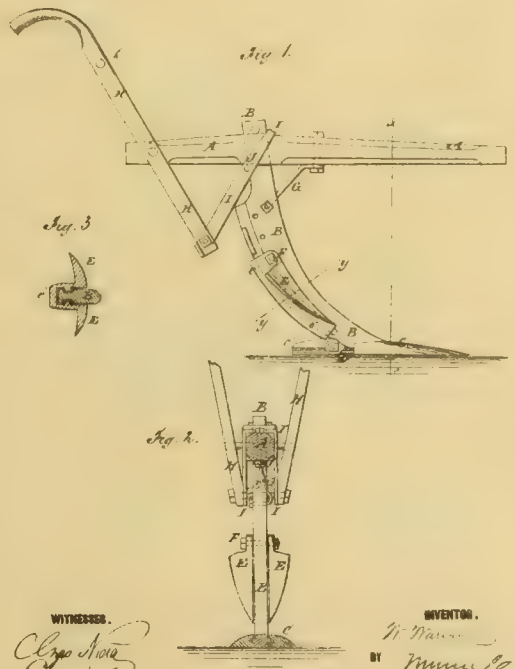


Witnesses:

Inventor:

W. WARINNER.
Plows.

No. 152,201 Patented June 16, 1874



WITNESSES.

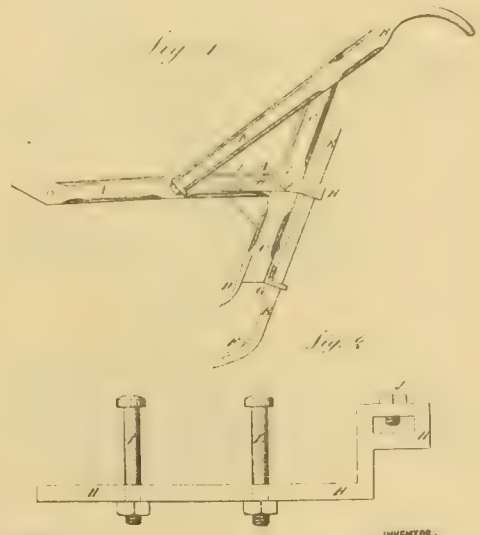
INVENTOR.

BY

ATTORNEYS.

A. L. MANNING
Subsoil Plows.

No. 153,587 Patented July 28, 1874.



WITNESSES:

INVENTOR:

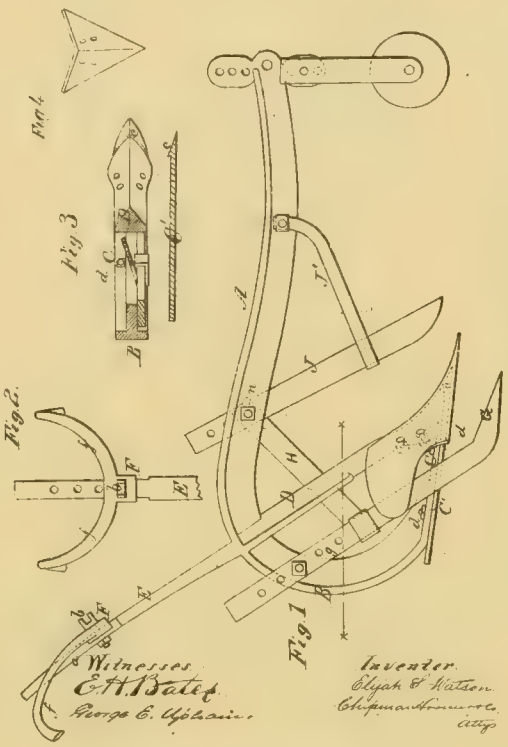
BY

ATTORNEYS.

E. S. WATSON.

Plows.

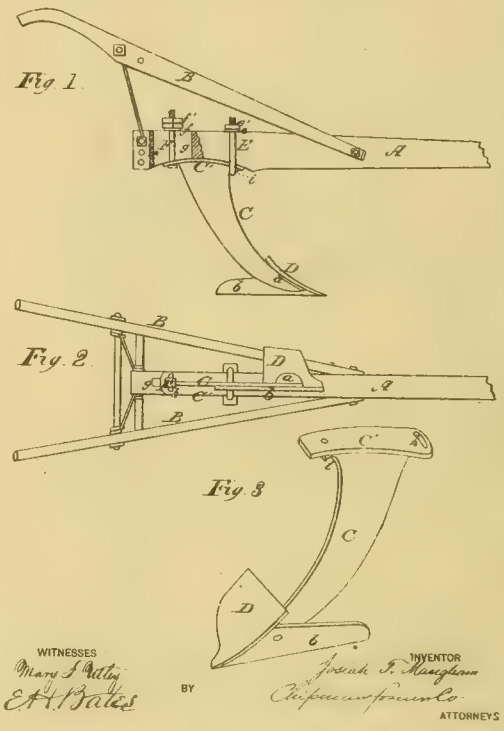
No. 154,106. Patented Aug. 11, 1874.



J. T. MANGHAM.

Pulverizing Subsoil Plows.

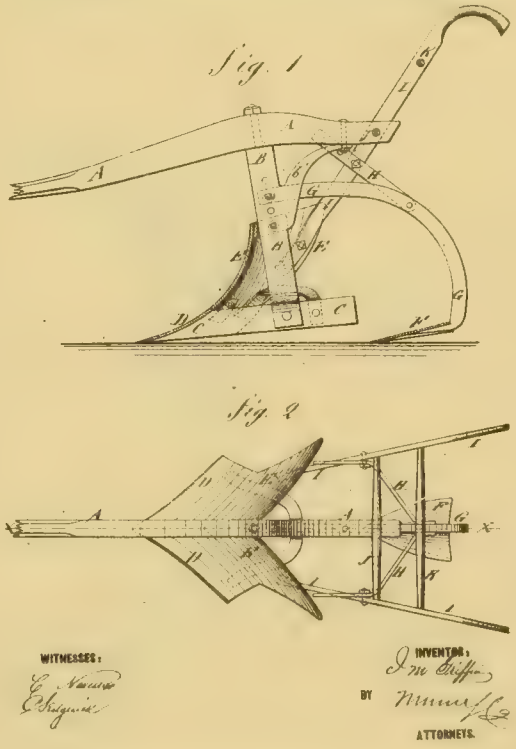
No. 155,249. Patented Sept. 22, 1874.



I. M. GRIFFIN.

Subsoil-Plows.

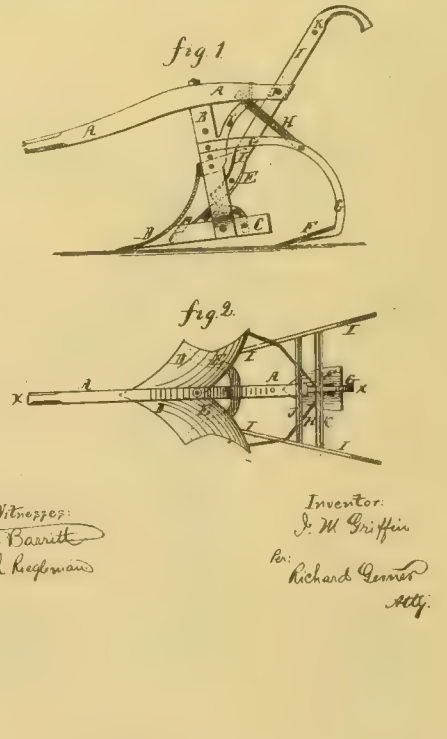
No. 155,438. Patented Sept. 29, 1874.



I. M GRIFFIN.

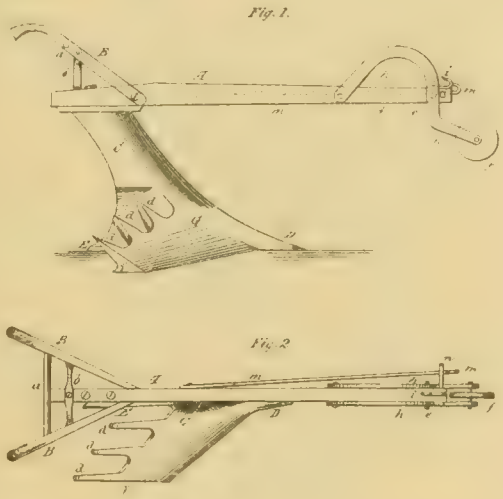
Subsoil-Plow.

No. 8,342 Reissued July 23, 1878.



A. RIGBY.
Plow.

No 159,967 Patented Feb. 16, 1875

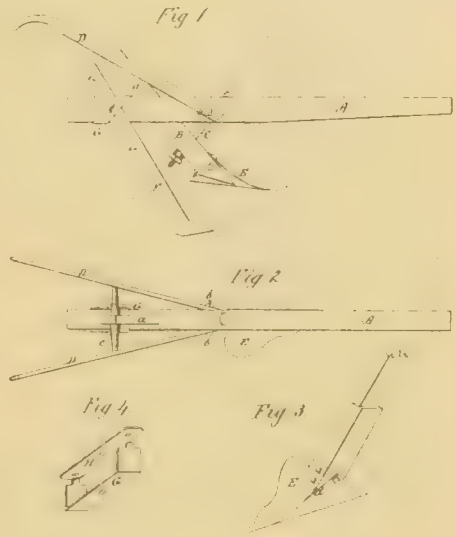


Witnesses:
P. C. Dietrich
H. C. Arthur.

Inventor:
A. Rigby
per T. Alexander
Attorney

D. B. SMITH
Plow.

No 162,962 Patented May 4, 1875

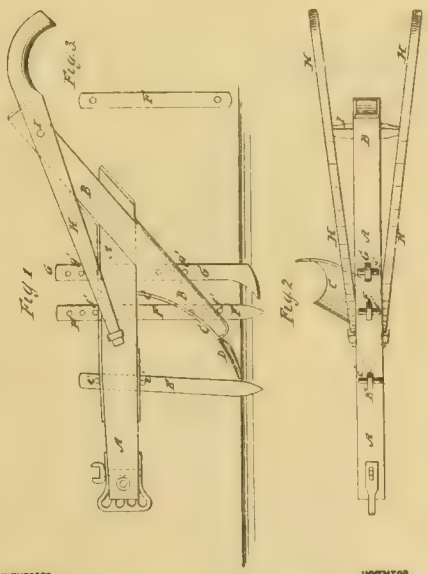


WITNESSES:
W. W. Hollingsworth
John C. Kennon

INVENTOR:
David B. Smith
BY
Wm. H.
ATTORNEYS.

A. GRIGGS.
Plow.

No 164,730. Patented June 22, 1875.

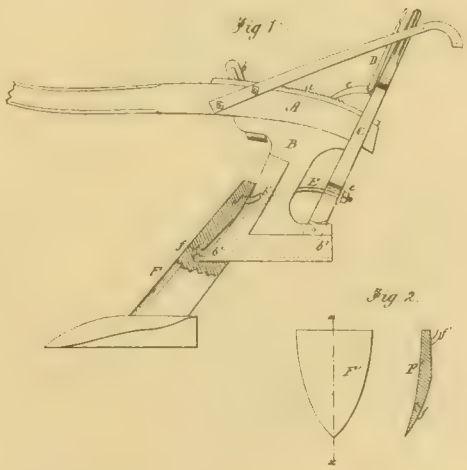


WITNESSES:
E. Mott
A. F. Tiny

INVENTOR:
Augustus Griggs
BY
Munn & Co
ATTORNEYS.

I. FREEMAN.
PLOW.

No. 169,799. Patented Nov. 9, 1875.



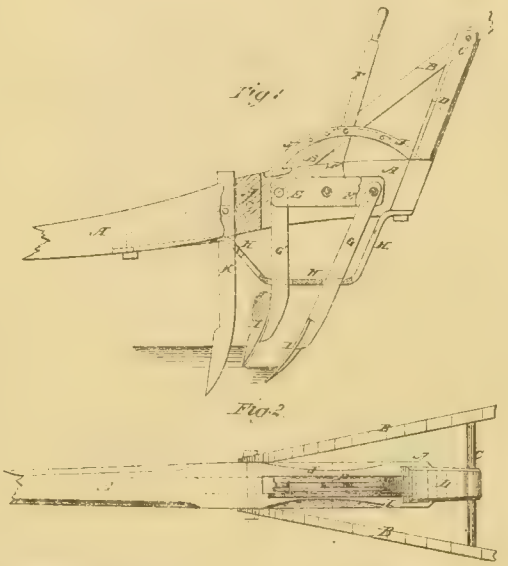
WITNESSES:
W. W. Hollingsworth
John C. Kennon

INVENTOR:
Isaac Freeman
BY
Munn & Co
ATTORNEYS.

W. H. SUTTON.

PLOW.

No. 178,087. Patented May 30, 1876.



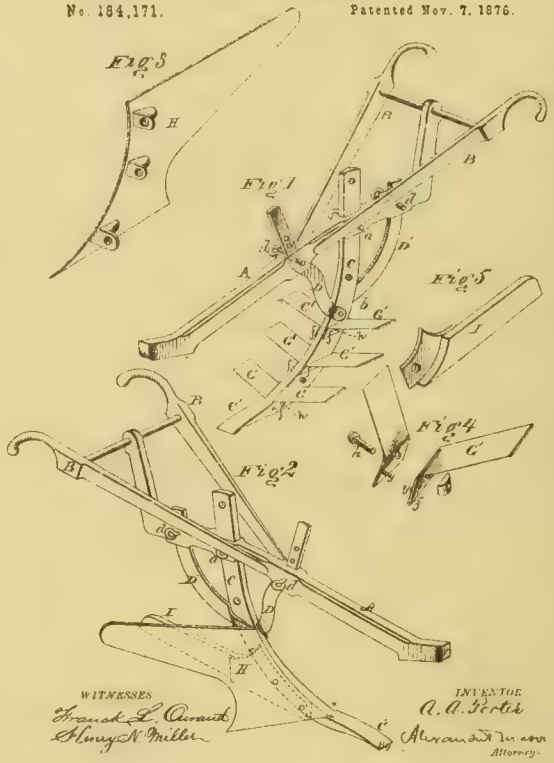
WITNESSES:
Francis McArdle.
John Goethals

INVENTOR:
Wm. H. Sutton
BY
ATTORNEYS.

A. A. PORTER.

SUBSOIL PLOW.

No. 184,171. Patented Nov. 7, 1876.



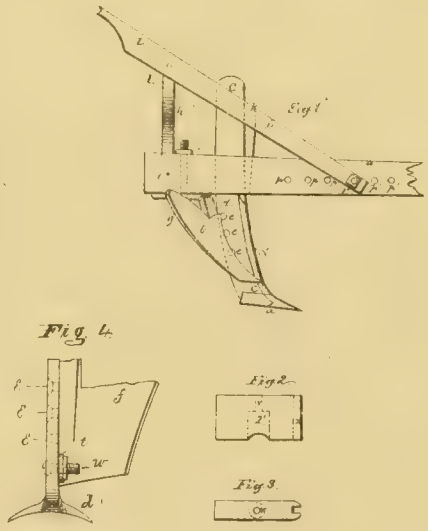
WITNESSES
Francis L. Arnold
Henry N. Miller

INVENTOR
A. A. Porter
Alexander Lin coln
Attorney.

B. F. JONES.

PLOWS.

No. 185,108. Patented Dec. 5, 1876.



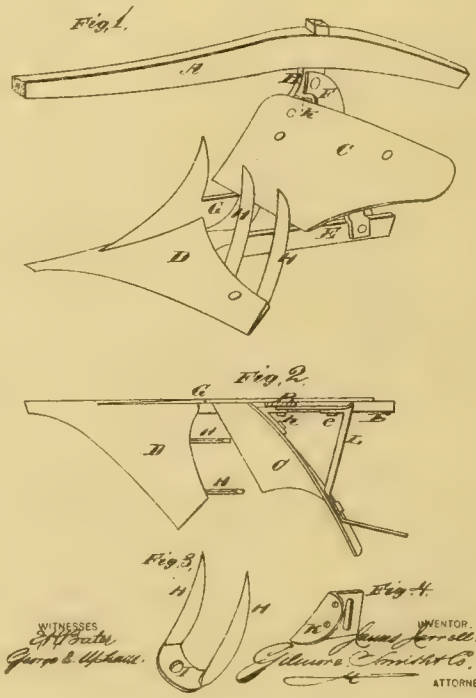
Attest:
W. H. Beason
G. J. McPherson

Inventor
B. F. Jones.

J. JARRELL.

SUBSOIL PLOW.

No. 187,637. Patented Feb. 20, 1877.

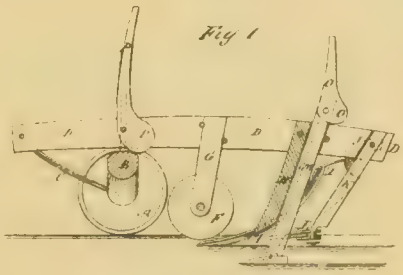


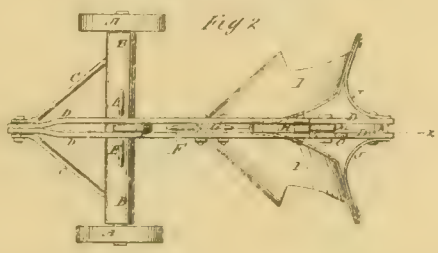
WITNESSES
A. J. Gatti
George B. Ufham

INVENTOR
James Jarrell.
Gilmore & Smith & Co.
ATTORNEYS

C. ATKINSON.
PLOW

No. 189,912. Patented April 24, 1877



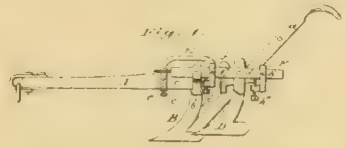


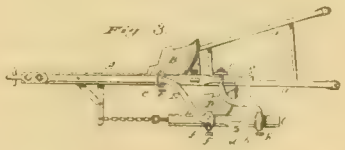
WITNESSES:
E. Wolff
J. H. Scattergood

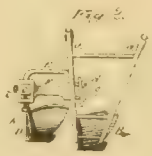
INVENTOR:
C. Atkinson
BY Munn & Co.
ATTORNEYS

L. J. LOWE.
Plow.

No. 199,558 Patented Jan. 22, 1878.







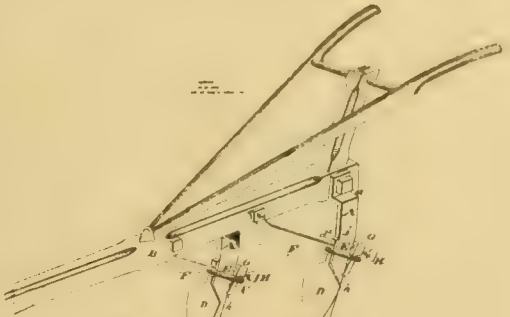
Witnesses:
M. Clements
Jno P. Brooks

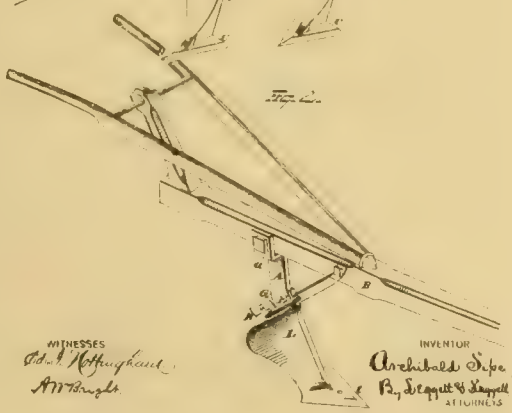
Inventor
Leonard J. Lowe
by C. A. Snow & Co.
his Attorneys

2 Sheets—Sheet 1

A. SIPE.
Plow.

No. 199,750 Patented Jan. 29, 1878.





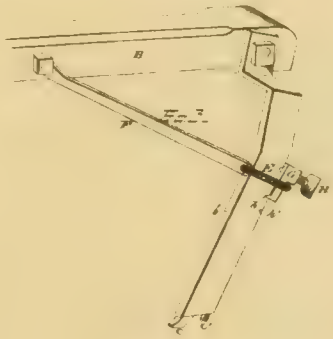
WITNESSES
Ed. J. Nottingham
A. W. Bright

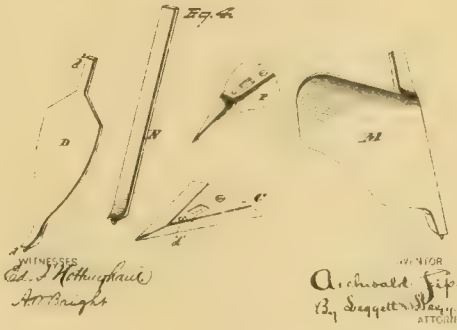
INVENTOR
Archibald Sipe
By Deggett & Deggett
ATTORNEYS

2 Sheets—Sheet 2

A. SIPE.
Plow.

No. 199,750. Patented Jan. 29, 1878.



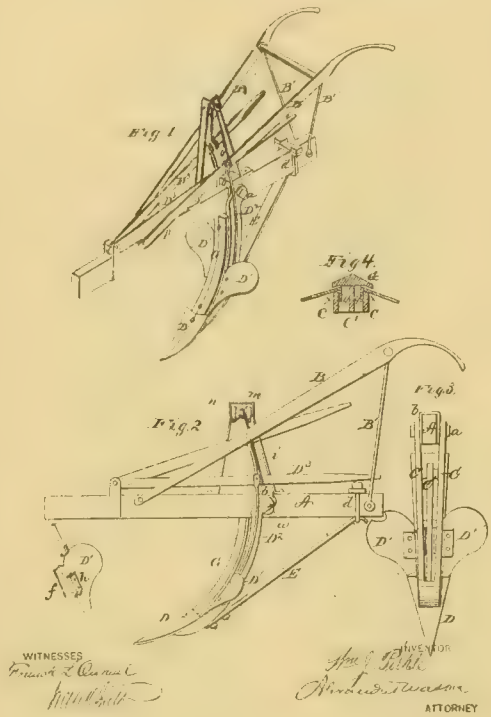


WITNESSES
Ed. J. Nottingham
A. W. Bright

INVENTOR
Archibald Sipe
By Deggett & Deggett
ATTORNEYS

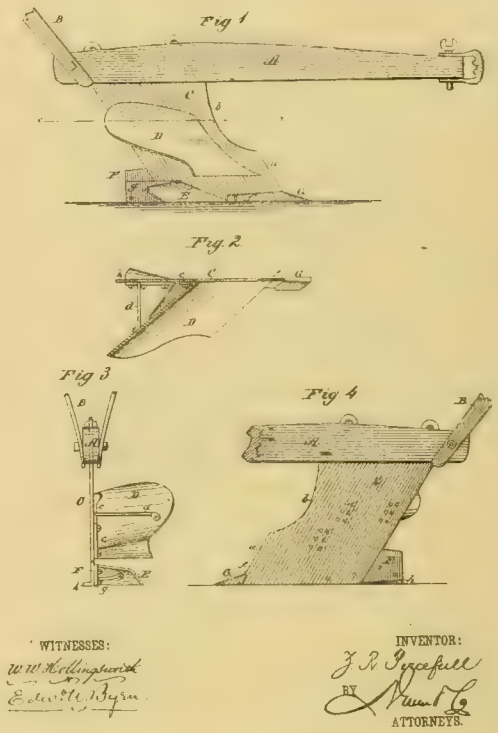
W. J. PIRKLE
Plows

No. 200,755. Patented Feb. 26, 1878.



Z. R. PERCEFULL.
Plow.

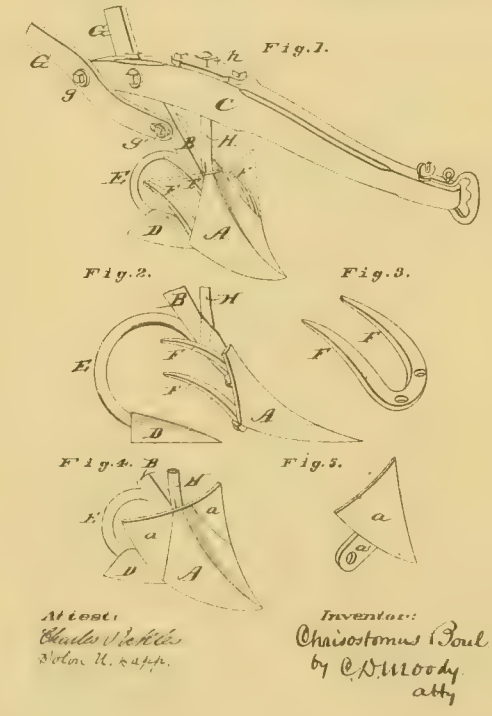
No. 229,455. Patented June 29, 1880.



(No Model.)

C. BOUL
Plow.

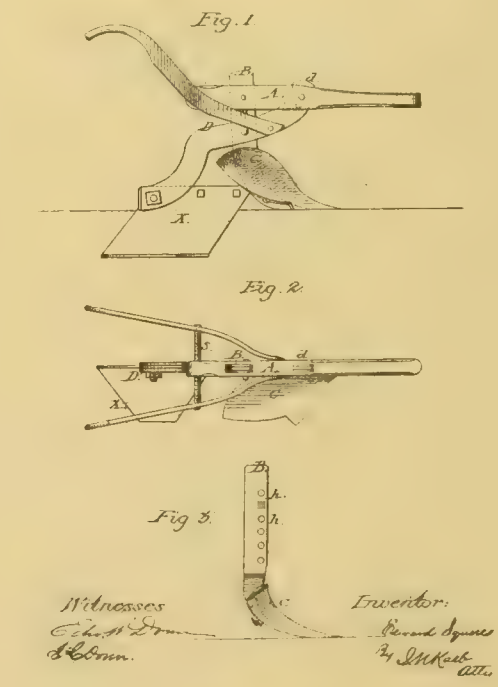
No. 232,877. Patented Oct. 5, 1880.



(No Model.)

E. SQUIRES.
Plow.

No. 240,558. Patented April 26, 1881.

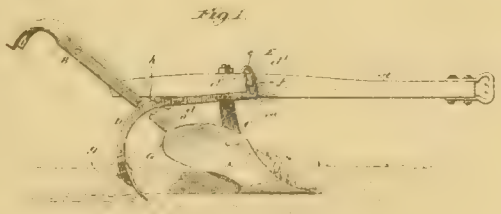


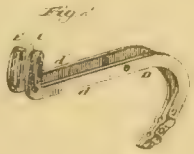
(No Model.)

J. J. ADCOCK, G. J. LUMPKIN & M. WHITE

PLOW.

No. 253,489 Patented Feb. 14, 1882.





Witnesses

Inventors

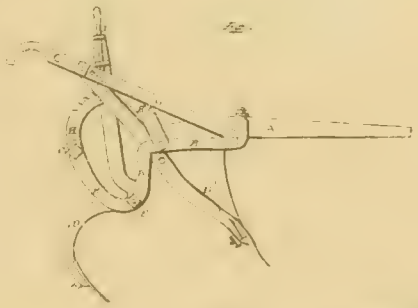
By

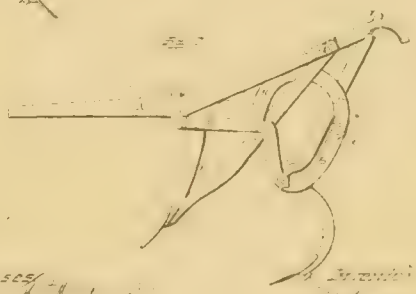
(No Model.)

S. B. DOVER.

SUBSOIL PLOW

No. 269,027 Patented Dec. 12, 1882.





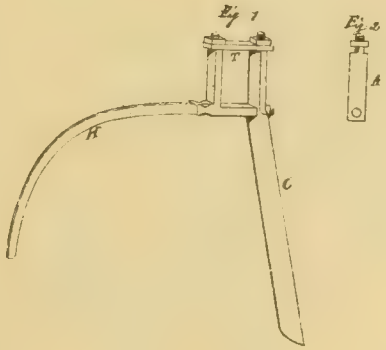
Witnesses

WEED-TURNERS.

	Plate	Claim
Ballard, U.	1096	671
Banworth, W.	1095	670
Barrows, W. A.	1095	671
Bier, J. W. and Wampler, J. B.	1090	669
Blodgett, E. A.	1093	670
Brinly, T. E. C.	1089	669
Cates, J. G.	1089	672
Collins, S.	1091	669
Dodridge, L. M.	1092	670
Dysard, J. W.	1094	670
Eastwood, I.	1092	670
Harbough, J. R.	1098	672
Harbert, T. M.	1097	671
Harper, C. A.	1091	669
Henry, J. C.	1090	669
Hill, D.	1089	669
Hoefelman, W. H.	1093	670
Hughes, D. W.	1096	671
Hughes, W. J.	1093	670
Kennedy, R. V.	1099	672
Kilmer, J.	1089	669
Kilmer, J.	1090	669
McDonel, G. H. Thorn, J. and Ewing, S	1096	671
Martin, W. J.	1091	669
Mowry, A. J. and Chance, H.	1094	670
Munson, J. D.	1097	671
Newton, R.	1095	670
Osburn, A. and Wulzen, E.	1091	669
Rarick, B. F., W. P. and J.	1097	671
Redman, J.	1097	671
Richardson, L. B.	1093	670
Russell, G. W.	1092	669
Sherrill, J.	1098	671
Smith, M. T.	1090	669
Smith, G. B.	1092	670
Smith, A.	1094	670
Temples, J. J.	1098	672
Thornton, J.B., McDonel, G. H. and Hale, A.	1095	670
Tilton, D. L.	1089	669
Yaggy, L. W. and Loope, J. N.	1096	671
Yardley, E. N.	1094	670

D. Hill,
Plow Gathering Hooks.

No. 3717. Patented, Oct. 7. 1844.

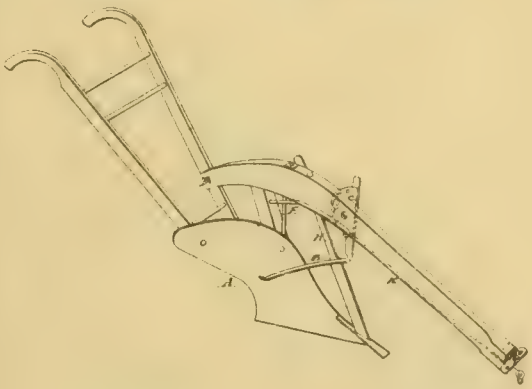


T. [illegible]
Plow Fender.

No. 19,725. Patented Mar. 23. 1858.

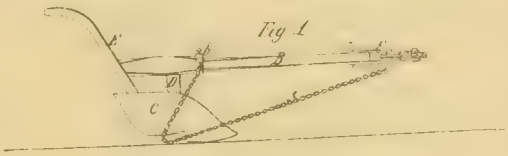
T. E. C. Brinly.
Plow Fender.

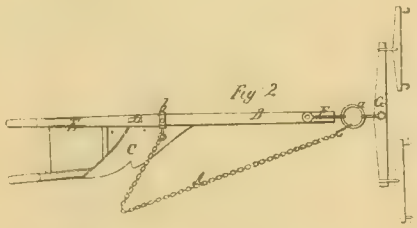
No. 19,909. Patented Apr. 13. 1858.



J. Holmes.
Plow Fender.

No. 24,454. Patented Dec. 13. 1859.





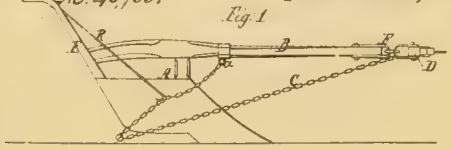
Witnesses,
Henry Morris
C. L. Topliff

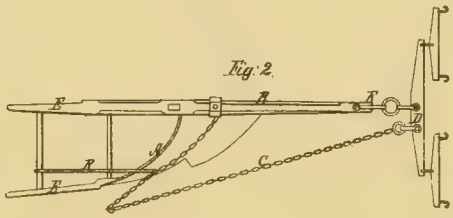
Inventor
Joseph Holmes
per Munn & Co
Attorneys

J. Kilmer.

Plow Fender.

No. 46,755. Patented Mar. 7, 1865.





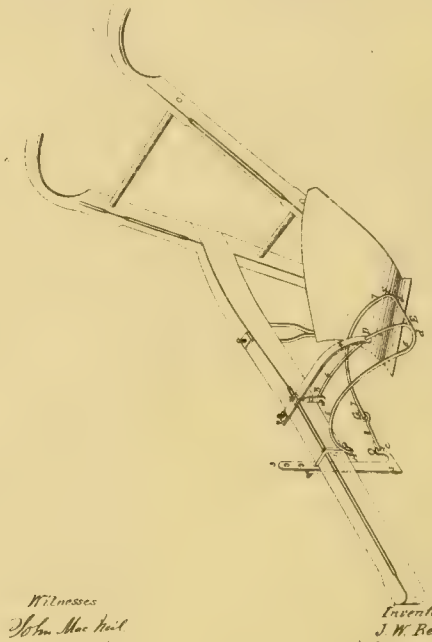
Witnesses;
C. L. Foshoff
Geo. Busch

Inventor;
Josiah Kilmer
per Munn & Co
Attorneys

Bier & Wampler.

Plow Fender.

No. 57,274 Patented Aug. 21, 1866.



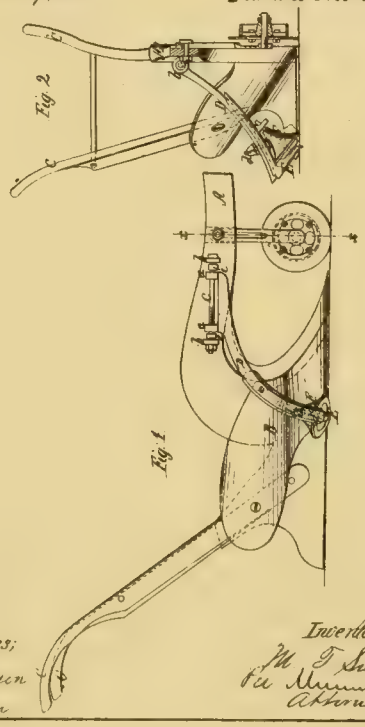
Witnesses
John Mac Neil
Wonda Hamilton

Inventors
J. W. Beer
J. B. Wampler

N. T. Smith,

Plow Fender.

No. 59,468. Patented Nov. 6, 1866.



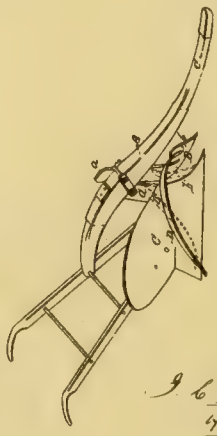
Witnesses;
D. A. Jackson
W. Munn

Inventor;
N. T. Smith
per Munn & Co
Attorneys

J. C. Henry.

Plow Fender.

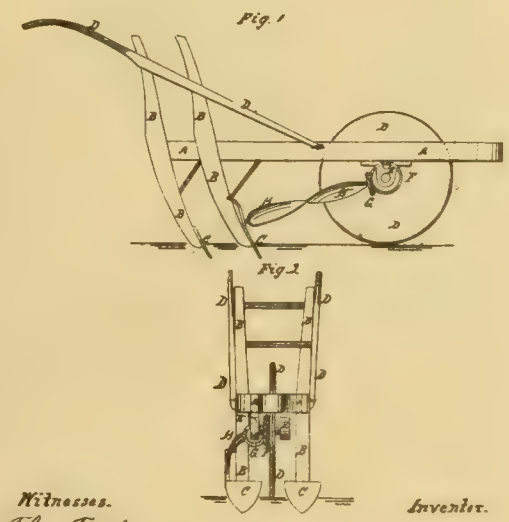
No. 67,542. Patented Aug. 6, 1867.



Witnesses
Theodore Lang
F. M. Master

Inventor
J. C. Henry
by his attorney
J. J. Fahnestock

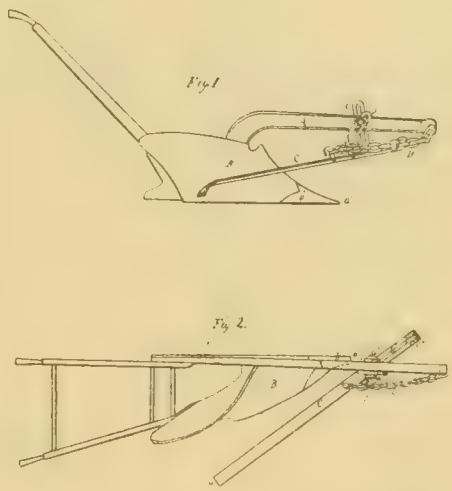
C. A. Harper.
Impd Cultivator.
No 73181 Patented Jan. 7, 1868.



Witnesses.
Thos Fessler
J. A. Fraser

Inventor.
C. A. Harper
Per Munn & Co
Attorneys.

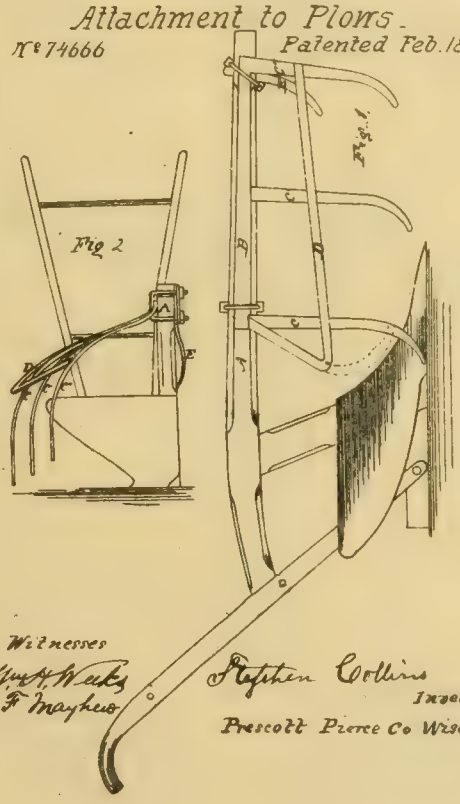
W. J. Martin.
Attachment for Plow.
No 74398 Patented Feb. 11, 1868.



Witnesses
J. Mcomb
A. Lellery

Inventor
W. J. Martin
Per Munn & Co
Attys

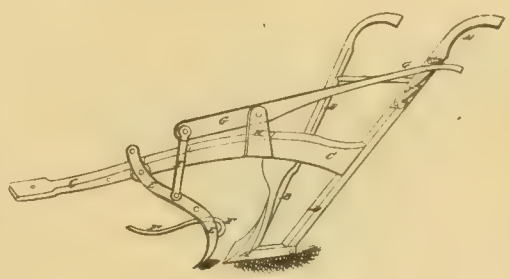
S. Collins.
Attachment to Plows.
No 74666 Patented Feb. 18, 1868



Witnesses
Wm H. Weeks
O. F. Mayhew

Stephen Collins
Inventor
Prescott Pierce Co Wisconsin

Colvin & Walker,
Plow.
No 86,245. Patented Jan. 26, 1869.



Witnesses:
C. Rastig
Hm. L. Morgan

Inventor.
A. Colvin
E. Walker
per Munn & Co
Attorneys.

G. W. Russell.

Plow

No. 92,371. Patented Jul. 6. 1869.

Fig. 1

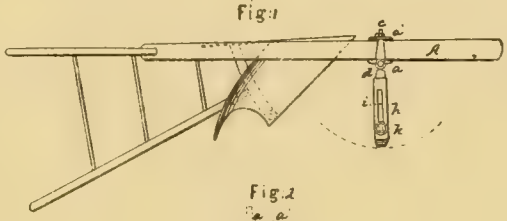
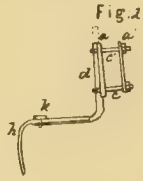


Fig. 2



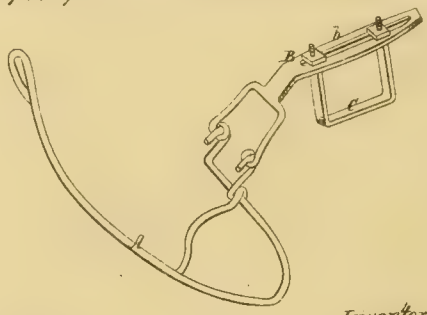
Witnesses:
E. F. Miller
W. Wanson.

Inventor:
George W. Russell

L. M. Doddridge.

Plow Fender

No. 94,578. Patented Sept. 7. 1869.



Witnesses;
E. F. Clausen.
A. Rippert

Inventor;
L. M. Doddridge
D. P. Holloway, Atty

I. Eastwood,

Plow Fender.

No. 106,364. Patented Aug. 16. 1870.

Fig. 1.

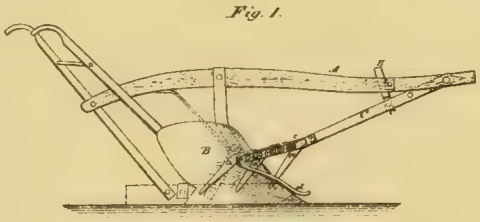
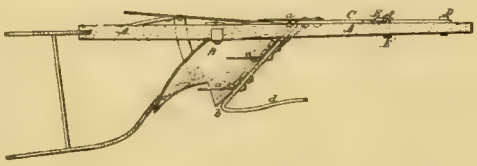


Fig. 2.



Witnesses:
John T. Funnell
A. W. Mygatt

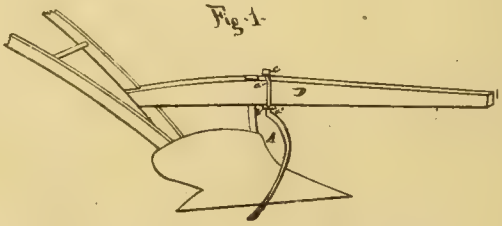
Inventor:
Isaac Eastwood
By his Attorney, N. Crawford

G. B. Smith

Plow Attachment

No. 121,207. Patented Nov. 21, 1871.

Fig. 1.



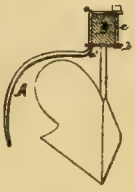


Fig. 2.

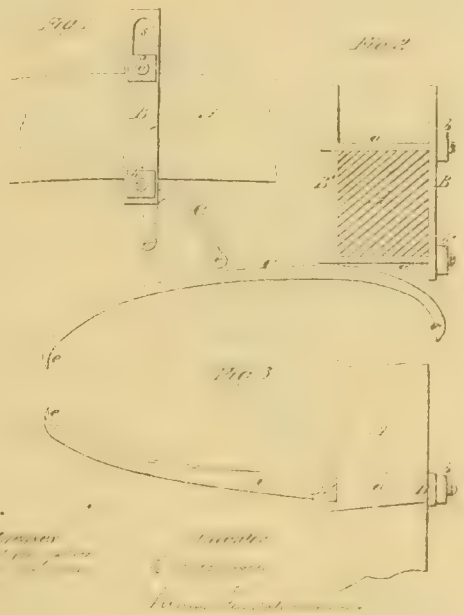
Witnesses
W. C. Raymond
Emma Greenaway

Inventor
G. B. Smith by
H. N. Bradle atty

E. A. BLODGETT

Improvement in Weed-Buriers

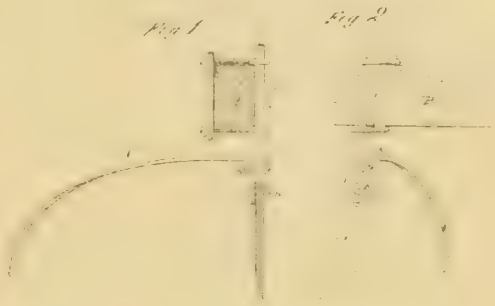
No. 127,549 Patented June 4, 1872.



W. H. HOEFELMAN.

Improvement in Plow-Colters.

No. 130,638. Patented Aug. 20, 1872.



Witnesses:

Inventor:

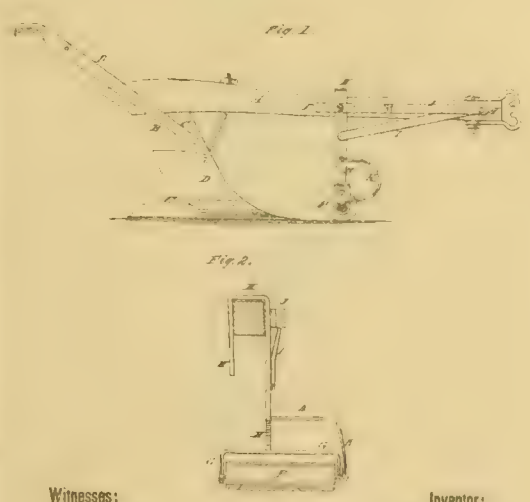
Per

Attorneys.

L. B. RICHARDSON.

Plows.

No. 140 434. Patented July 1, 1873.



Witnesses:

Inventor:

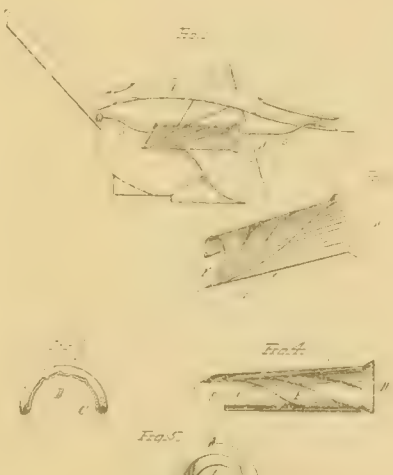
Per

Attorneys.

W. J. HUGHES

Weed-Turner Attachments for Plows.

No. 148,299. Patented March 10, 1874.



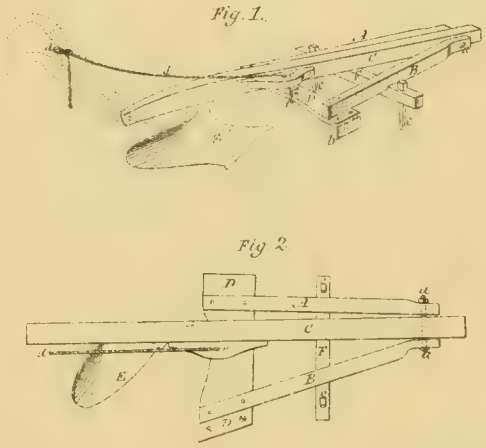
Witnesses:

Inventor:

A. SMITH.

Weed-Turning Attachments for Plows.

No. 151,249. Patented May 26, 1874.



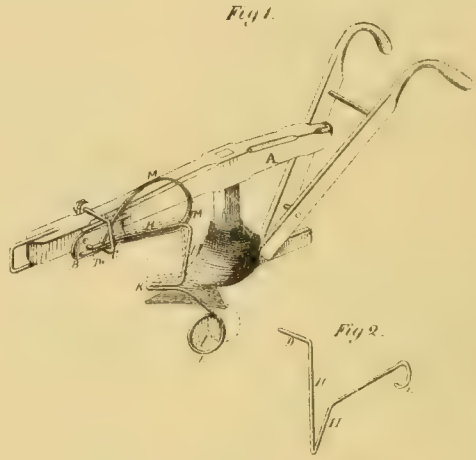
Witnesses:
J. N. Beard
Edmund Wilson

Inventor:
Alexander Smith,
by Atty. F. R. Stoughton.

E. N. YARDLEY.

Attachment for Plows.

No. 162,210 Patented April 20, 1875.



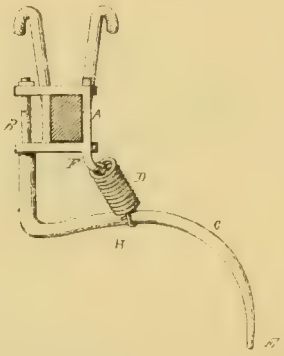
Witnesses:
Chas. H. Gill
Fred R. Goodridge

Inventor:
Elisha N. Yardley
by his atty.
Geo. Geo.

A. J. MOWRY & H. CHANCE.

Weed-Turner.

No. 163,881 Patented June 1, 1875.



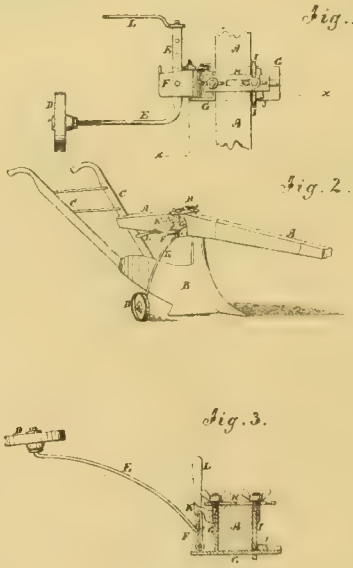
Witnesses:
Chas. H. Gill
Edward F. Geo. Geo.

Inventors:
Aaron J. Mowry
Henry Chance
by their atty
Geo. Geo.

J. W. DYSARD.

Weed-Covering Attachment.

No. 164,155. Patented June 8, 1875.



WITNESSES:
A. Sommerfeld
R. F. Terry

INVENTOR:
Joseph W. Dysard
BY
ATTORNEYS.

J. B. THORNTON, G. H. McDONEL & A. HALE

Weed-Turner.

No 169,058. Patented Oct. 19, 1875.

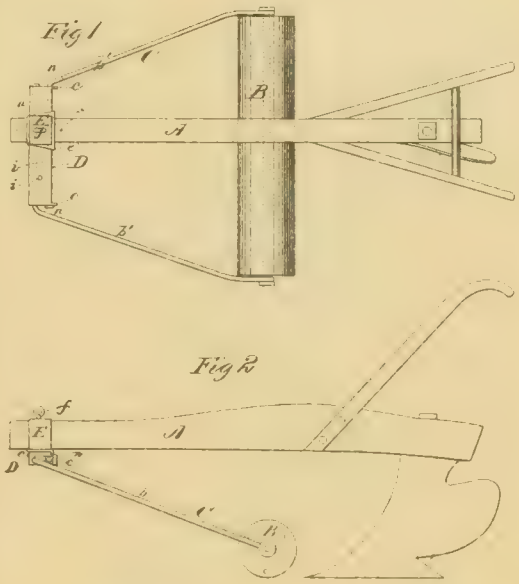
WITNESSES
C. S. Hollingham
Matt H. Burton Jr.

INVENTORS
John B. Thornton
George H. McDonel
Allen Hale
By Langett & Langett
Attorneys

R. NEWTON.

GRASS-LEVELERS.

No. 175,141. Patented March 21, 1876.



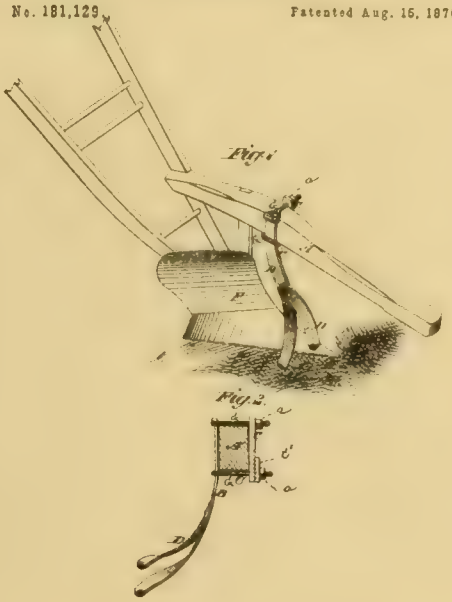
WITNESSES
Mary E. Utley
Ed. F. Gates

INVENTOR
R. Newton
Chas. Mum & Co.
ATTORNEYS

W. BANWORTH.

WEED-TURNERS FOR PLOWS.

No. 181,129. Patented Aug. 15, 1876.



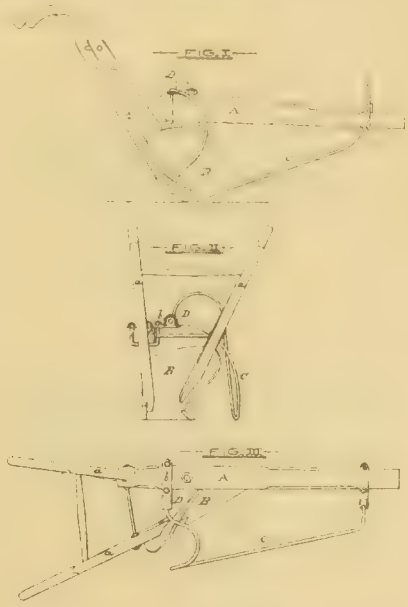
WITNESSES.
Thomas McCargo
Alex. E. Roberts

INVENTOR:
W. Banworth
BY Munn & Co.
ATTORNEYS.

W. A. BARROWS

PLOW-FENDERS.

No. 183,361. Patented Oct. 17, 1876.



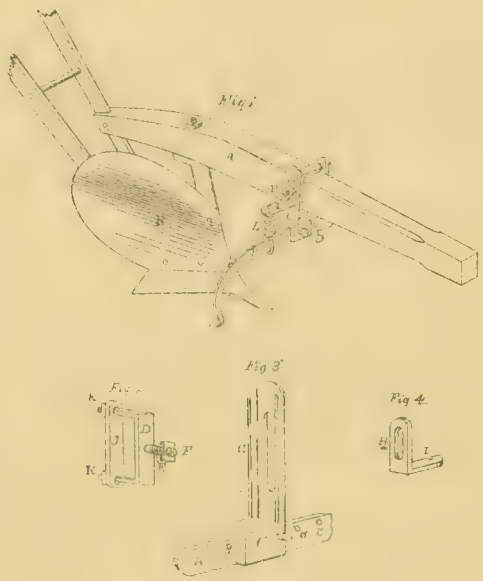
WITNESSES.
H. S. Rhodes
H. A. Dunlap

INVENTOR.
Felix A. Barrows
C. H. Hill & Co.

U. BALLARD.

WEED TURNING ATTACHMENT FOR PLOWS.

No. 184,030. Patented Nov. 7, 1876.



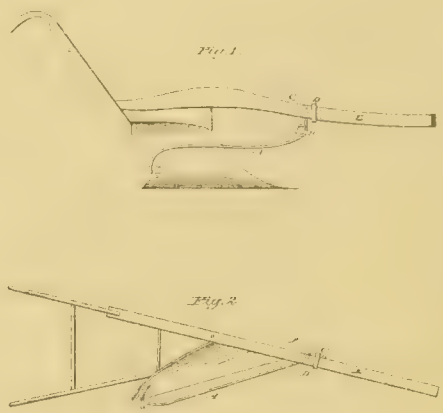
ATTEST:
Edward R. Matthews
S. S. Brown

INVENTOR:
Uriah Ballard
By F. D. Hunt & Co
Attys.

L. W. YAGGY & J. N. LOOP.

STALE, STUBBLE AND WEED TURNER.

No. 185,417 Patented Dec. 19, 1876.



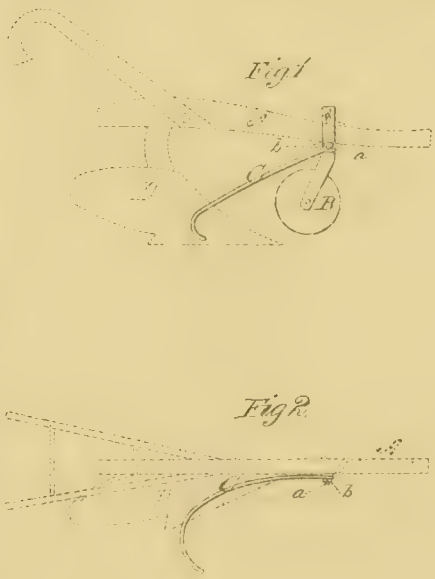
Witnesses
N. Moore
H. Clay Smith

Inventors
Levi W. Yaggy
John Nicholas Loop

D. W. HUGHES.

PLOW ATTACHMENT.

No. 186,344 Patented Jan. 16, 1877.



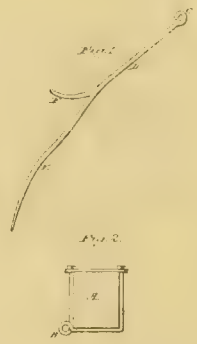
WITNESSES
C. F. Potter
E. J. Musi

INVENTOR
D. W. Hughes
Gifford & Co
ATTORNEYS.

G. H. McDONEL, J. THORN & S. EWING.

WEED-HIDER.

No. 189,374. Patented April 10, 1877

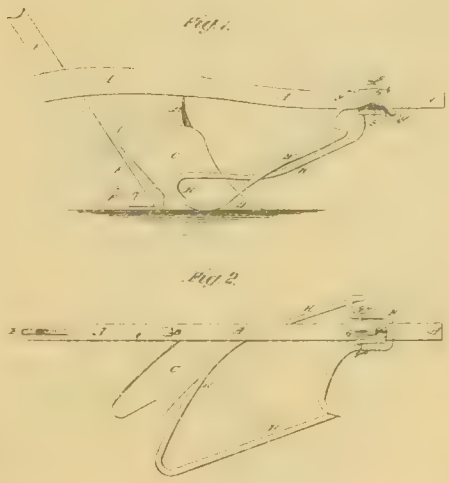


Witnesses.
J. B. Jones
Hal. A. Brown

Inventors
G. H. McDonel
John Thorn
Samuel Ewing

T. M. HARBERT.
WEED FOLDING ATTACHMENT FOR PLOWS

No. 195,760. Patented Oct. 2 1877

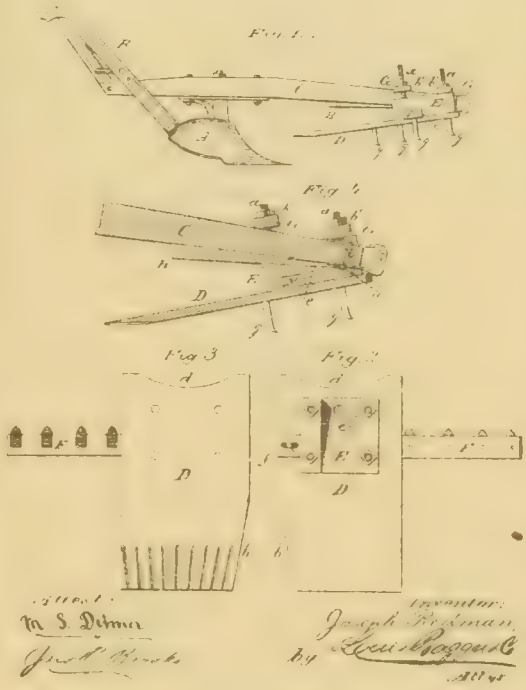


WITNESSES:

INVENTOR
T. M. Harbert
BY Munn & Co
ATTORNEYS.

J. REDMAN.
Plow-Attachment.

No. 197,665 Patented Nov. 27, 1877.

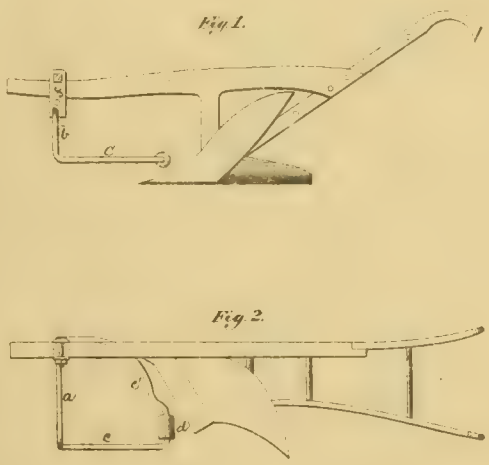


Witnesses:
M. S. Dimm
Jno. H. Brooks

Inventor:
Joseph Redman
by Munn & Co
Attys

B. F., W. P. & J. RARICK.
Trash Gatherer.

No. 202,051. Patented April 2, 1878.

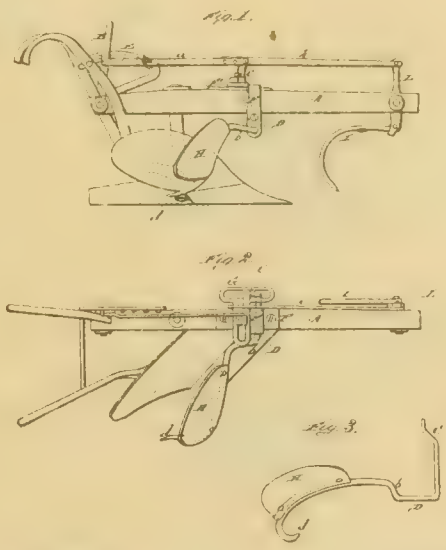


Witnesses
Jno. H. Burtis
Robert H. Clarke

Inventors
William P. Rarick
Jones Rarick
Benjamin F. Rar

J. D. MUNSON
Plow-Attachment.

No. 204,841. Patented June 11, 1878.

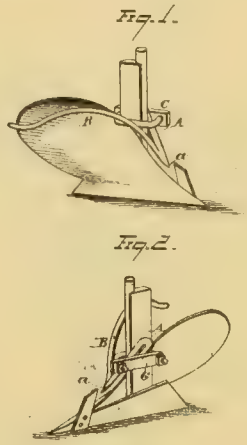


WITNESSES
Robert Orwell
James J. Sheehy

INVENTOR
John D. Munson
Munn & Co
ATTORNEYS

J. SHERRILL.
Weed-Turner.

No. 218,071. Patented July 29, 1879.

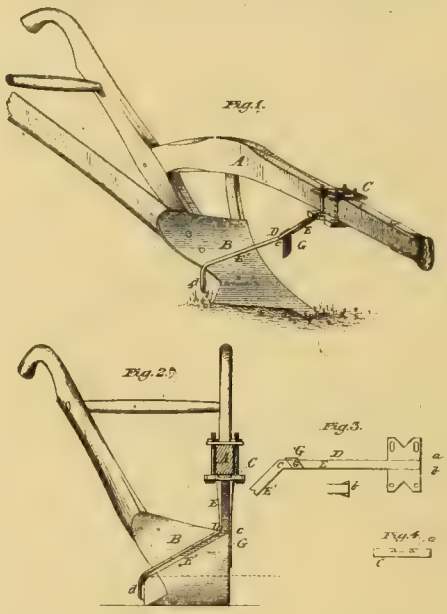


WITNESSES
E. F. Nottingham
A. W. Baugh

INVENTOR
J. Sherrill.
By Dewey & Dewey ATTORNEYS

J. G. CATES.
Weed-Turner.

No. 222,011. Patented Nov. 25, 1879.

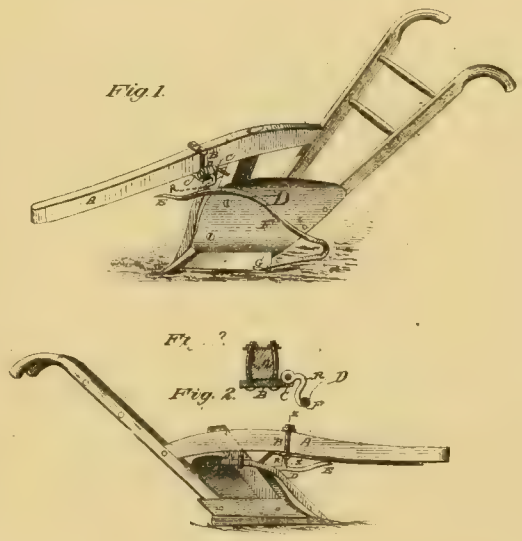


WITNESSES
John A. Ellis
Frank J. Masi.

INVENTOR
Jas G. Cates
By E. W. Anderson
ATTORNEYS

J. R. HARBAUGH.
Plow Attachment.

No. 228,192. Patented June 1, 1880.



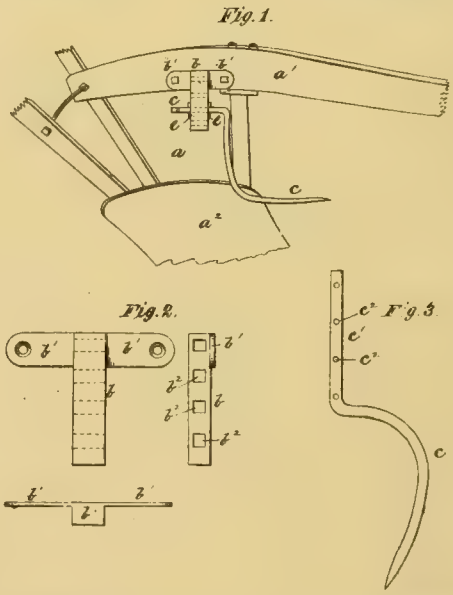
Witnesses.
Wm. G. Dieterich
J. R. Littell.

Inventor.
John R. Harbaugh.
By Albright & Co
Attorneys.

(Model.)

J. J. TEMPLES.
WEED TURNER.

No. 244,948. Patented July 26, 1881.



Witnesses
M. M. Lacy
S. Parker

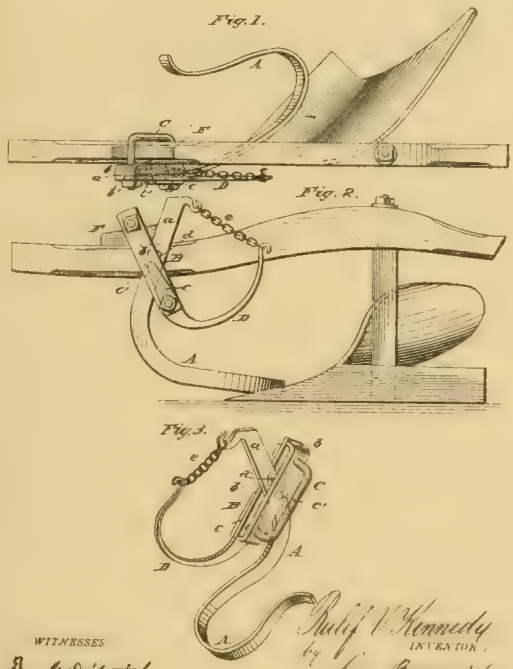
Inventor
James J. Temples
By R. & A. H. Lacy Attys.

(No Model.)

R. V. KENNEDY.

ATTACHMENT FOR PLOWS.

No. 253,395. Patented Feb. 7, 1882.



WITNESSES

Fred. L. Dieterich.

Geo. Binkenburg

Rulif V. Kennedy

INVENTOR,

by Louis Bagger & Co.

Attorneys.